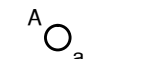







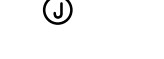
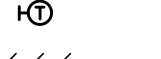
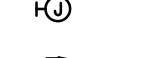
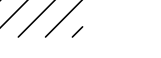













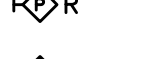


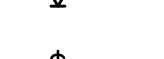

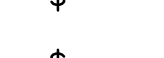

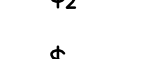

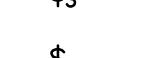
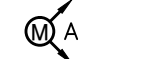
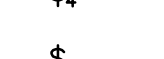
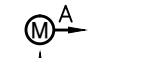
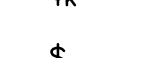
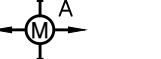
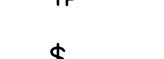
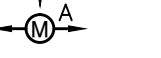
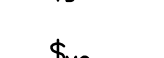

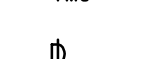
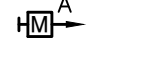
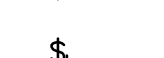

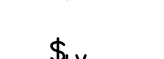
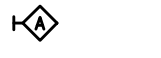

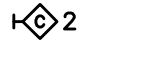





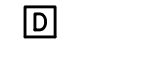







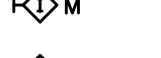

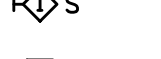







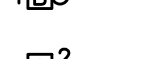
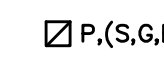



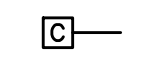


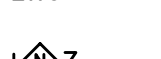
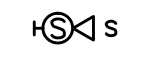

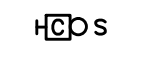
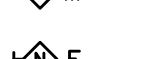





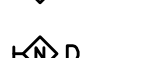

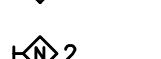


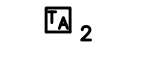











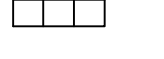





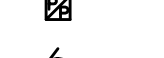

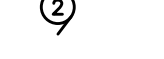
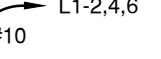
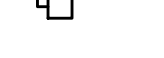
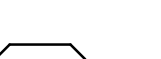

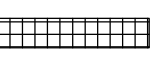


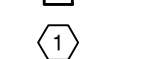




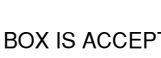
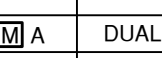


ELECTRICAL SYMBOLS LEGEND					
THIS IS A COMPREHENSIVE SYMBOL SCHEDULE. NOT ALL SYMBOLS ARE APPLICABLE TO THESE DRAWINGS					
SYMBOLS	DESCRIPTION	MOUNTING HEIGHT TO CENTER OF DEVICE UNLESS OTHERWISE INDICATED	SYMBOLS	DESCRIPTION	MOUNTING HEIGHT TO CENTER OF DEVICE UNLESS OTHERWISE INDICATED
	CEILING SURFACE MOUNTED LIGHT FIXTURE. CAPITAL LETTER INDICATES FIXTURE TYPE, SMALL LETTER INDICATES SWITCHING.			ENCLOSED MOLDED CASE CIRCUIT BREAKER 30A/2P UON (WALL RECESSED)	
	RECESSED CEILING MOUNTED LIGHT FIXTURE			VARIABLE FREQUENCY CONTROLLER	
	CONNECTED TO EMERGENCY POWER			THERMAL SWITCH (MOTOR OVERLOAD TYPE)	48 INCHES
	WALL MOUNTED INCAND. OR H.I.D. LIGHT FIXTURE.			THERMOSTAT - PROVIDE BY DIVISION 26	48 INCHES
	CEILING-MOUNTED JUNCTION BOX ("C" INDICATES EMERGENCY CRITICAL BRANCH POWER; "L" INDICATES EMERGENCY LIFE SAFETY POWER; "E" INDICATES EMERGENCY EQUIPMENT POWER)			THERMOSTAT - FURNISHED BY DIVISION 23, INSTALLED BY DIVISION 26	48 INCHES
	WALL JUNCTION BOX	18 INCHES		HASH MARKS INDICATE ITEM NOTED TO BE REMOVED	
	CEILING EXIT SIGN, SHADED SIDE INDICATES LIGHTED FACE, ARROWS INSTALLED AS SHOWN	6 INCHES ABOVE DOOR FRAME		SPEAKER	
	WALL EXIT SIGN			WALL MOUNTED SPEAKER	80 INCHES TO BOTTOM
	SUSPENDED FIXTURE			CLOCK	94 INCHES TO BOTTOM
	SURFACE FLUORESCENT			MICROPHONE OUTLET	18 INCHES
	RECESSED FLUORESCENT			VOLUME CONTROL	48 INCHES
	FIXTURE CONNECTED TO EMERGENCY POWER			SECURITY DEVICES: REQUEST TO EXIT	3 INCHES ABOVE DOOR FRAME
	DASHED LINES INDICATE EXISTING FIXTURES, DEVICES, OR EQUIPMENT			DOOR POSITION SWITCH, RECESSED	
	EMERGENCY BATTERY LIGHT	7 FOOT 8 INCHES		DOOR POSITION SWITCH, SURFACE MOUNT	
	EMERGENCY REMOTE LAMP	7 FOOT 6 INCHES		DOOR POSITION SWITCH	
	SWITCH: SINGLE POLE (HORSEPOWER RATED WHEN USED AS MOTOR DISCONNECT)	48 INCHES		CARD READER	48 INCHES
	DOUBLE POLE	48 INCHES		CEILING MOUNTED MOTION SENSOR SWITCH	
	3-WAY	48 INCHES		CEILING MOUNTED MOTION SENSOR SWITCH, 90° COVERAGE	
	4-WAY	48 INCHES		CEILING MOUNTED MOTION SENSOR SWITCH, 180° COVERAGE	
	KEY OPERATED	48 INCHES		CEILING MOUNTED MOTION SENSOR SWITCH, 360° COVERAGE	
	WITH PILOT LIGHT (CAN BE USED WITH OTHER SWITCH TYPES)	48 INCHES		CEILING MOUNTED MOTION SENSOR SWITCH, HALLWAY COVERAGE	
	FLUORESCENT DIMMER	48 INCHES		WALL MOUNTED MOTION SENSOR, 90° COVERAGE	
	MOMENTARY CONTACT	48 INCHES		WALL MOUNTED MOTION SENSOR, 180° COVERAGE	48 INCHES
	DIMMER (600 WATT UNLESS OTHERWISE NOTED)	48 INCHES		MOTION SENSOR SWITCH POWER PACK	
	LIGHTING INTENSITY SELECTOR	48 INCHES		AUXILIARY INPUT OUTLET	18 INCHES
	LOW VOLTAGE SWITCH	48 INCHES		COMPUTER OUTLET (NUMBER INDICATES QUANTITY OF CABLES AND JACKS. NO NUMBER INDICATES ONE)	18 INCHES
	DUPLEX RECEPTACLE ("C" INDICATES EMERGENCY CRITICAL BRANCH POWER)	18 INCHES		COMBINATION COMPUTER/TELEPHONE OUTLET IN SINGLE GANG OPENING (NUMBER INDICATES QUANTITY OF CABLES AND JACKS. NO NUMBER INDICATES ONE)	18 INCHES
	DOUBLE DUPLEX RECEPTACLE ("C" INDICATES EMERGENCY CRITICAL BRANCH POWER)	18 INCHES		TELEPHONE OUTLET ("W" INDICATES WALL MOUNTED AT 48 INCHES)	18 INCHES
	SPECIAL PURPOSE RECEPTACLE LETTER INDICATES TYPE, SEE SPECIFICATION	18 INCHES		DATA PATCH PANEL	
	MULTI-OUTLET ASSEMBLY - M.O.A., PROVIDE DEVICES AS SHOWN ON PLANS	18 INCHES		COMPUTER/TELEPHONE OUTLET, PROVIDE ROUGH-IN AND CONDUIT ONLY	18 INCHES
	DUPLEX RECEPTACLE, HALF SWITCHED	18 INCHES		TELEVISION OUTLET	18 INCHES
	FLOOR OUTLET, ADDITIONAL SYMBOL INDICATES TYPE			INTERCOM OUTLET	18 INCHES
	TIME SWITCH			INTERCOM MASTER	
	PHOTO CELL			INTERCOM STAFF STATION	
	TRANSFORMER			BUZZER	
	FIRE ALARM- MANUAL STATION	48 INCHES		PUSH BUTTON	
	RATE OF RISE DETECTOR			POWER DOOR HANDICAP PUSH PAD	42 INCHES
	FIXED TEMPERATURE DETECTOR			BELL	
	DUCT PHOTOELECTRIC DETECTOR			CONTACTOR (NUMBER INDICATES NUMBER OF POLES)	
	PHOTOELECTRIC DETECTOR ("S" INDICATES SLEEPING ROOM WITH AUX. CONTACT; "G" INDICATES WITH GUARD; "E" INDICATES FOR ELEVATOR RECALL)			WEATHERPROOF	
	COMBINATION HEAT/SMOKE WITH STROBE SOUNDER BASE DETECTOR			ABOVE COUNTER	
	COMBINATION FIRE/SMOKE DAMPER OR SMOKE DAMPER BY DIVISION 23			ELECTRIC WATER COOLER	
	HORN ("S" INDICATES WITH STROBE LIGHT)	BOTTOM OF LENS 80 INCHES		NURSE CALL : CORRIDOR CALL OR ZONE LIGHT	
	SPEAKER HORN ("S" INDICATES WITH STROBE LIGHT)	BOTTOM OF LENS 80 INCHES		MASTER STATION	
	CHIME ("S" INDICATES WITH STROBE LIGHT)	BOTTOM OF LENS 80 INCHES		PATIENT EMERGENCY STATION	48 INCHES
	FIRE ALARM MODULE/RELAY	BOTTOM OF LENS 80 INCHES		SINGLE BED PATIENT STATION	
	FAN RELAY			STAFF STATION	48 INCHES
	STROBE LIGHT	BOTTOM OF LENS 80 INCHES		DUTY STATION	48 INCHES
	MAGNETIC DOOR HOLD OPEN			DOUBLE BED PATIENT STATION	
	INTEGRAL MAGNETIC DOOR CLOSER (PROVIDED BY DIVISION 08)			EMERGENCY (CODE BLUE)	
	TAMPER SWITCH (NUMBER INDICATES NUMBER OF DEVICES AT THIS LOCATION)			NURSE LOCATOR	
	FIRE PUMP			STAFF ASSIST	48 INCHES
	FLOW SWITCH			STAFF REGISTER	
	FIRE ALARM CONTROL PANEL			EMERGENCY PUSH BUTTON	48 INCHES
	FIRE ALARM ANNUNCIATOR			UNIT INTERFACE	
	LIGHTING AND APPLIANCE PANELBOARD			TELEMETRY ANTENNA	
	SWITCHBOARD OR MOTOR CONTROL CENTER AS NOTED			CONDUIT CONCEALED IN WALL OR CEILING, QUANTITY OF CONDUCTORS NOT SHOWN, PROVIDE AS REQUIRED FOR DEVICE/CIRCUIT NUMBERS SHOWN.	
	CONTROL CABINET BY DIVISION 23			CONDUIT UP	
	SPECIAL EQUIPMENT CABINET AS NOTED			CONDUIT DOWN	
	POWER POLE			CONDUIT CONCEALED IN FLOOR	
	MOTOR (NUMBER REFERS TO MOTOR AND EQUIPMENT SCHEDULE. SEE SCHEDULE FOR WIRING AND CONTROL REQUIREMENTS)			HOME RUN TO PANELBOARD, QUANTITY OF CONDUCTORS REQUIRED NOT INDICATED, PROVIDE QUANTITY AS REQUIRED FOR CIRCUIT NUMBERS SHOWN, SWITCHING ARRANGEMENT, OR NUMBER OF HOME RUNS SHOWN. #10 INDICATES WIRE SIZE, NO NUMBERS INDICATES #12, 3/4 INCH CONDUIT MINIMUM.	
	DISCONNECT ("F" INDICATES FUSED WHEN SHOWN)			SURFACE CONDUIT OR SURFACE RACEWAY	
	MAGNETIC STARTER			WIRE BASKET TYPE CABLE TRAY	
	COMBINATION STARTER-DISCONNECT			COMMUNICATIONS CABLE SUPPORT HANGER	
	UL 924 RELAY			LIGHTING CIRCUIT DESIGNATION AND PLAN NOTE REFERENCE NUMBER	
	NOTE IDENTIFICATION			LIGHTING CIRCUIT DESIGNATION	
NOTES: 1. FOR DEVICES SHOWN AS 48 INCHES MOUNTING HEIGHT, WHEN INSTALLED IN MASONRY BLOCK WALLS, MOUNTING AT 48 INCHES TO THE TOP OF THE OUTLET BOX IS ACCEPTABLE.					

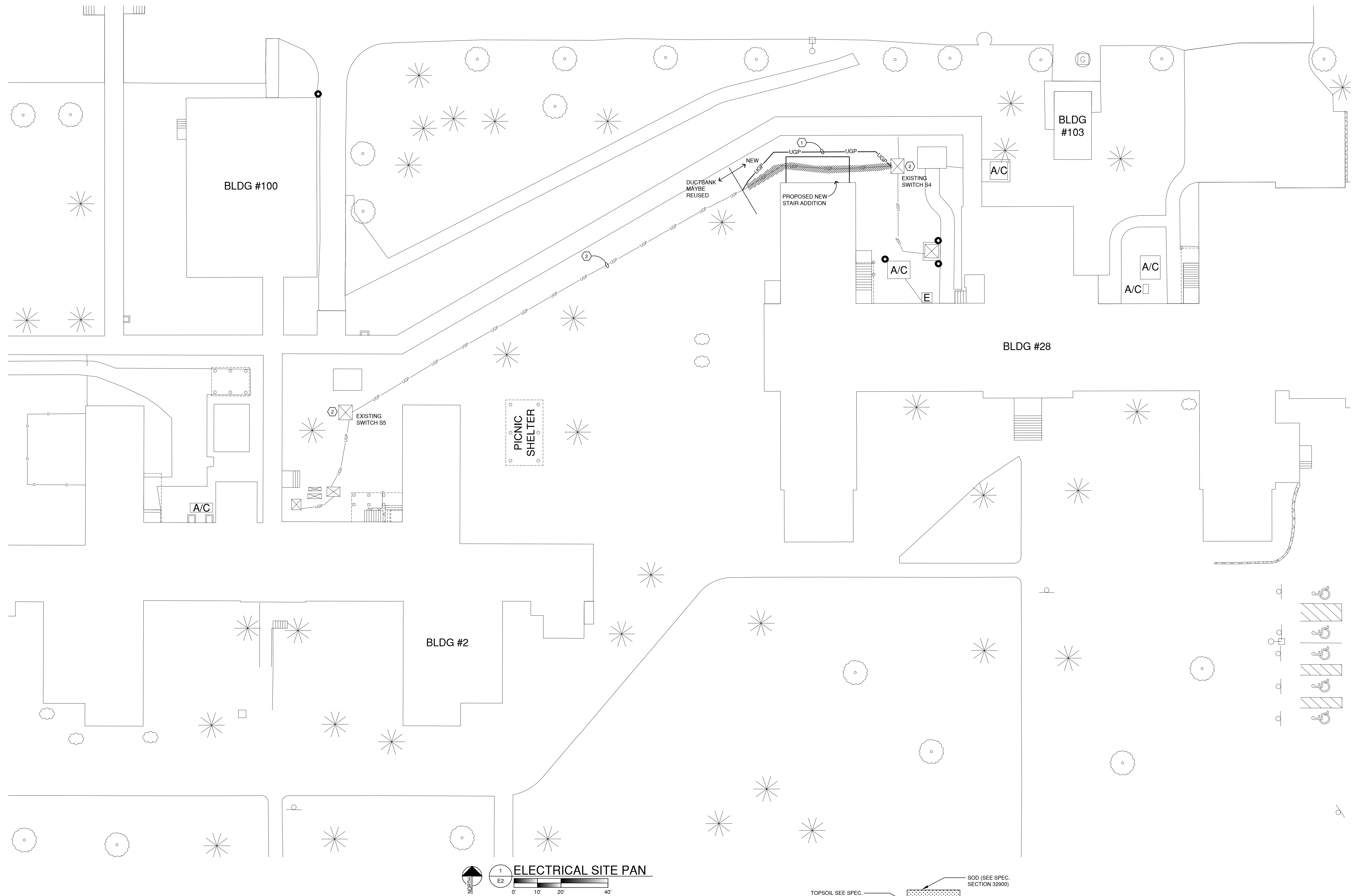
Luminaire Schedule											
Type	Manufacturers	Catalog Information	Lamp Data		Ballast Data		Input Watts	Voltage	Mounting	Fixture Description	Remarks
			No.	Type	No.	Type					
A	LITHONIA OR EQUAL	VSL SERIES	2	F28T8	1	HIGH EFFICIENCY ELECTRONIC (INSTANT START)	60	120/277	WALL SURFACE	4' FLUORESCENT, 16 GAUGE HOUSING, CLEAR PRISMATIC POLYCARBONATE LENS, GASKETED.	
B	LITHONIA OR EQUAL	2PM3N SERIES	3	F28T8	2	HIGH EFFICIENCY ELECTRONIC (INSTANT START)	88	MVOLT	RECESSED LAY-IN	2' X 4' FLUORESCENT PARABOLIC LUMINAIRE, 18 CELL, LOW IRIDESCENT ANODIZED DIFFUSE SILVER, 3 INCH LOUVERS.	PROVIDE INTEGRAL BALLAST DISCONNECT (FACTORY INSTALLED) FOR EACH BALLAST.
C1	KENALL OR EQUAL	PRCT 5 SERIES	3	F28T8	1	HIGH EFFICIENCY ELECTRONIC (INSTANT START)	80	MVOLT	RECESSED LAY-IN	2'X4' STATIC LAY-IN SECURITY FLUORESCENT TROFFER, ROLLED EDGE OR POST PAINTED HOUSING, REGRESSED WHITE ALUM. DOOR, 125 INCH POLYCARBONATE PRIMATIC LENS, SECURED TO DOOR FRAME WITH SCREW FASTENERS. PIANO HINGED CONCEALED.	PROVIDE INTEGRAL BALLAST DISCONNECT (FACTORY INSTALLED) FOR EACH BALLAST. SECURE HOUSING TO T-GRID WITH SCREW FASTENERS.
C2	LITHONIA OR EQUAL	SP SERIES	2	F28T8	1	HIGH EFFICIENCY ELECTRONIC (INSTANT START)	60	MVOLT	RECESSED LAY-IN	2'X4' STATIC LAY-IN FLUORESCENT TROFFER, ROLLED EDGE OR POST PAINTED HOUSING, REGRESSED WHITE ALUM. DOOR, SPRING LOAD LATCHES, 125 INCH ACRYLIC PRIMATIC LENS.	PROVIDE INTEGRAL BALLAST DISCONNECT (FACTORY INSTALLED) FOR EACH BALLAST.
E	SURE-LITES OR EQUAL	CX SERIES		LED	-	-	1.3	MVOLT	AS SHOWN OR DRAWINGS	SINGLE FACE L.E.D. EXIT LUMINAIRE, DIE CAST ALUMINUM HOUSING, WHITE BODY AND CANOPY, STENCIL FACE, RED LETTERS. UNIVERSAL MOUNT.	
E1	SURE-LITES OR EQUAL	CX SERIES		LED	-	-	1.3	MVOLT	AS SHOWN OR DRAWINGS	DOUBLE FACE L.E.D. EXIT LUMINAIRE, DIE CAST ALUMINUM HOUSING, WHITE BODY AND CANOPY, STENCIL FACE, RED LETTERS. UNIVERSAL MOUNT.	
E2	KENALL OR EQUAL	MMEX SERIES		LED	-	-	1.3	MVOLT	AS SHOWN OR DRAWINGS	SECURITY SINGLE FACE L.E.D. EXIT LUMINAIRE, 14 GAUGE STEEL HOUSING AND DOOR FRAME WITH POLYCARBONATE LENS, RED LETTERS. UNIVERSAL MOUNT.	
K	RAB OR APPROVED SUBSTITUTION	LPACK		LED	-	-	13.2	120	WALL SURFACE	LED WALL PACK EXTERIOR FIXTURE, DIE CAST ALUMINUM HOUSING, 10 WATT HIGH OUTPUT LED LIGHT ENGINE, WET LOCATION LISTED, BRONZE FINISH, COOL WHITE COLOR TEMPERATURE. PROVIDE INTEGRAL BUTTON PHOTO CELL.	MOUNT AT 8'-6".

MOTION SENSOR SCHEDULE				
SYMBOL	TYPE	CATALOG #	DESCRIPTION	VOLTAGE
	DUAL TECHNOLOGY	DW-100	WALL MOUNT	120V

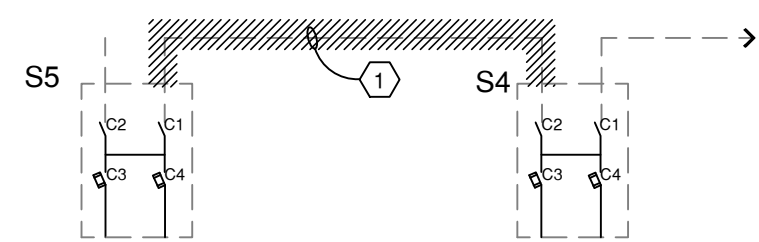
NOTE: BASED ON WATTSTOPPER CATALOG NUMBERS.

LUMINAIRE SCHEDULE GENERAL NOTES:

- LUMINAIRE TYPE DEFINED WITH A MANUFACTURER'S SERIES FOLLOWED BY "OR EQUAL." DO NOT REQUIRE PRIOR APPROVAL FOR SUBSTITUTED PRODUCTS TO BID, HOWEVER, THIS DOES NOT ALLEVIATE THE SUBSTITUTED PRODUCT FROM MEETING OR EXCEEDING THE QUALITIES & STANDARDS SET FORTH OF THE LISTED MANUFACTURER & SERIES.
 - LUMINAIRE TYPES DEFINED WITH A MANUFACTURER'S SERIES FOLLOWED BY "OR APPROVED SUBSTITUTION" DOES REQUIRE PRIOR APPROVAL FOR SUBSTITUTED PRODUCTS TO BID, HOWEVER, THIS DOES NOT ALLEVIATE THE SUBSTITUTED PRODUCT FROM MEETING OR EXCEEDING THE QUALITIES & STANDARDS SET FORTH OF THE LISTED MANUFACTURER & SERIES.
 - COLOR TEMPERATURE OF ALL LAMPS ON THIS PROJECT IS 4100K UNLESS OTHERWISE SPECIFIED.
- GENERAL ELECTRICAL NOTES (APPLY TO ALL DRAWINGS):
- CONTRACTOR SHALL VERIFY EXISTING CONDITIONS & SHALL COORDINATE EQUIPMENT INSTALLATION WITH VA ENGINEERING STAFF.
 - CONTRACTOR SHALL REPLACE ANY ACOUSTICAL CEILING TILES, PORTIONS OF THE SUSPENSION SYSTEM OR EXPOSED GRID SYSTEM DAMAGED BY HIS WORK OR REMOVAL OF EXISTING EQUIPMENT.
 - CONTRACTOR SHALL MAINTAIN A CLEAN WORKING ENVIRONMENT, EQUIPMENT, PARTS & TOOLS SHOULD BE SECURED & MONITORED WHEN WORK IS TO BE DONE IN PATIENT AREAS.
 - ALL CONDUIT PENETRATING THE FLOOR SLAB OR SMOKE BARRIER SHALL BE SEALED TIGHT WITH AN APPROVED FIRE STOP SEALANT RESTORING THE FLOOR SLAB OR SMOKE BARRIER TO ITS ORIGINAL RESISTANCE, REFERENCE SPECIFICATION SECTION 078400.
 - ALL ELECTRICAL CONDUIT SHALL BE CONCEALED IN WALLS OR CEILINGS IN FINISHED AREAS UN

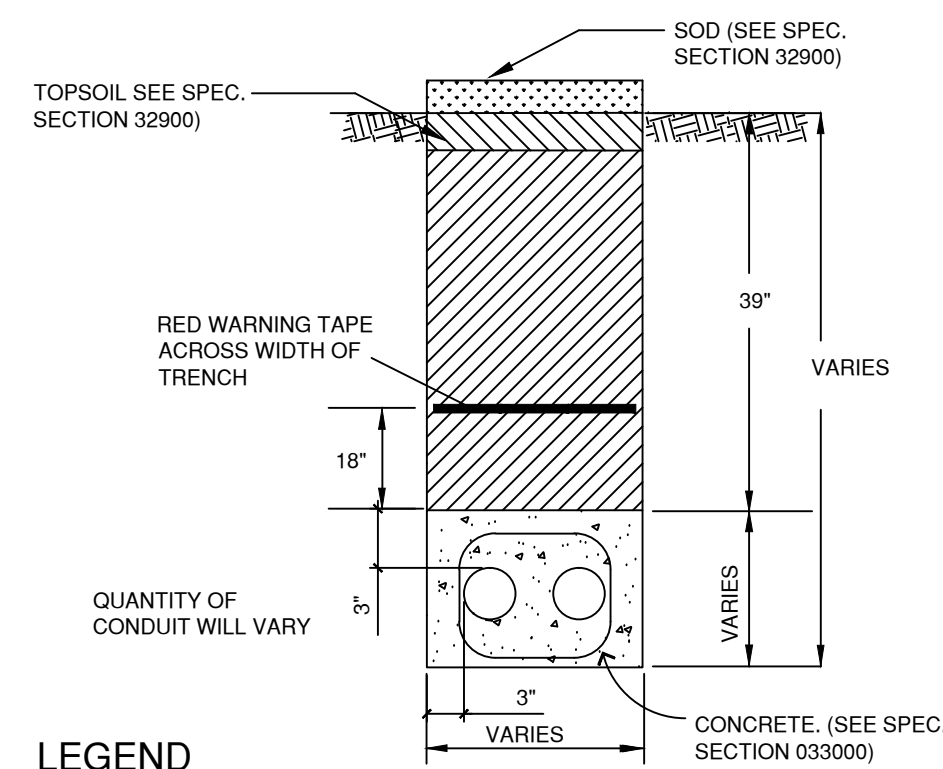
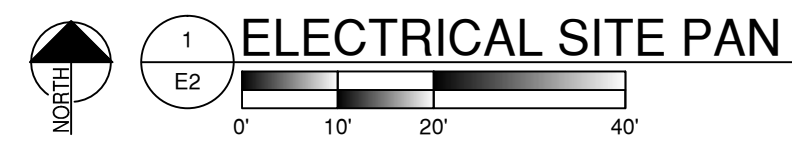


- PLAN NOTES:
- 1) DEMO EXISTING DUCTBANK, CONDUIT AND CONDUCTORS BETWEEN EXISTING SWITCH S4 AND S5 TO ACCOMMODATE FOR NEW STAIR ADDITION. PROVIDE NEW DUCTBANK (SEE DETAILS THIS SHEET). EXTEND AROUND NEW STAIR ADDITION. PROVIDE NEW CONDUCTORS (3) #40 CU (15KV) + (1) #40 CU (600V) IN 4" CONDUIT FROM EXISTING SWITCH S5 TO EXISTING SWITCH S4. SPLICING OF CONDUCTORS IS NOT PERMITTED. PROVIDE (1) ADDITIONAL 4" CONDUIT IN DUCTBANK AS A SPARE.
 - 2) APPROXIMATE LOCATION OF EXISTING SWITCHES AND EXISTING DUCTBANK ARE SHOWN. FIELD VERIFY EXACT LOCATIONS. EXISTING DUCTBANK AND CONDUITS MAY BE REUSED.



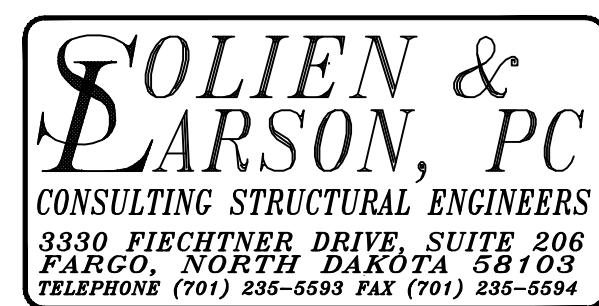
EXISTING ONE-LINE NOTES:
(1) DEMO CONDUCTORS BETWEEN SWITCHES S-5 AND S-4. INTERCEPT EXISTING DUCTBANK AND EXTEND. SEE ELECTRICAL SITE PLAN.

2 EXISTING PARTIAL MEDIUM VOLTAGE (MV) ONE-LINE
E2 SCALE: NONE



- LEGEND
- COMPACTED BACKFILL UNLESS OTHERWISE SPECIFIED
 - UNDISTURBED EARTH
 - CONCRETE

3 TYPICAL FOR ALL CONCRETE ENCASED DUCTBANKS
E2 SCALE: NONE



I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Print Name: Brian K. Stich

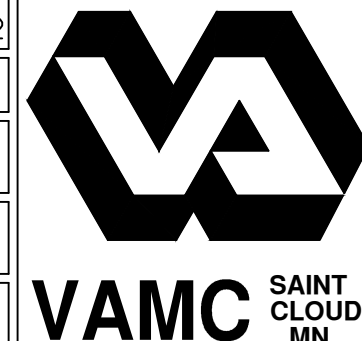
Signed: B.K. Stich

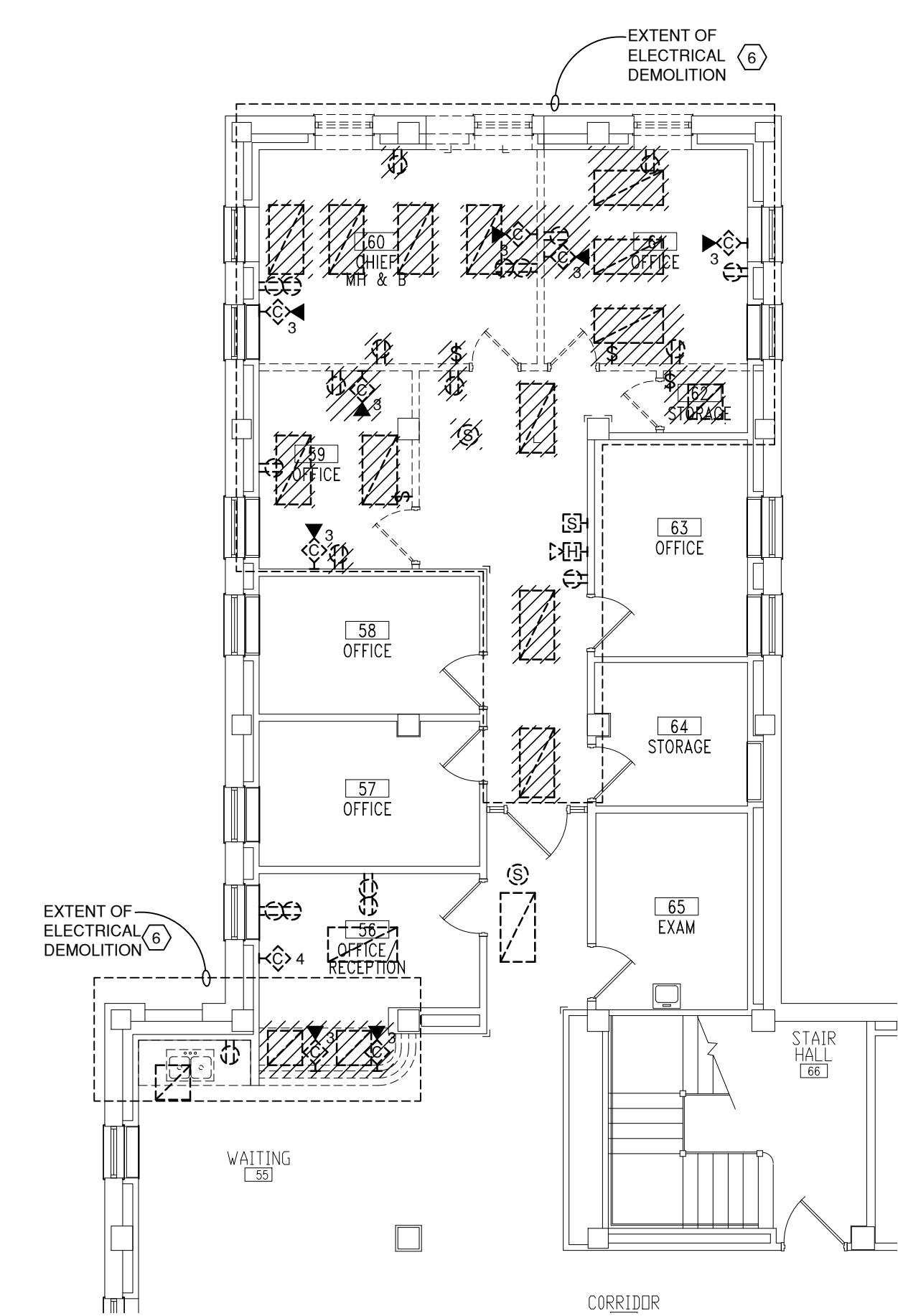
Date: 1/31/2012 License Number: 25401

APPROVED SERVICE LINE DIRECTOR	DATE:	APPROVED INFECTION CONTROL NURSE	DATE:
APPROVED SERVICE LINE DIRECTOR	DATE:	APPROVED PATIENT SAFETY	DATE:
APPROVED PROJECTS SECTION MANAGER	DATE:	APPROVED CHIEF OF POLICE	DATE:
APPROVED DIRECTOR PHS	DATE:	APPROVED SAFETY MANAGER	DATE:

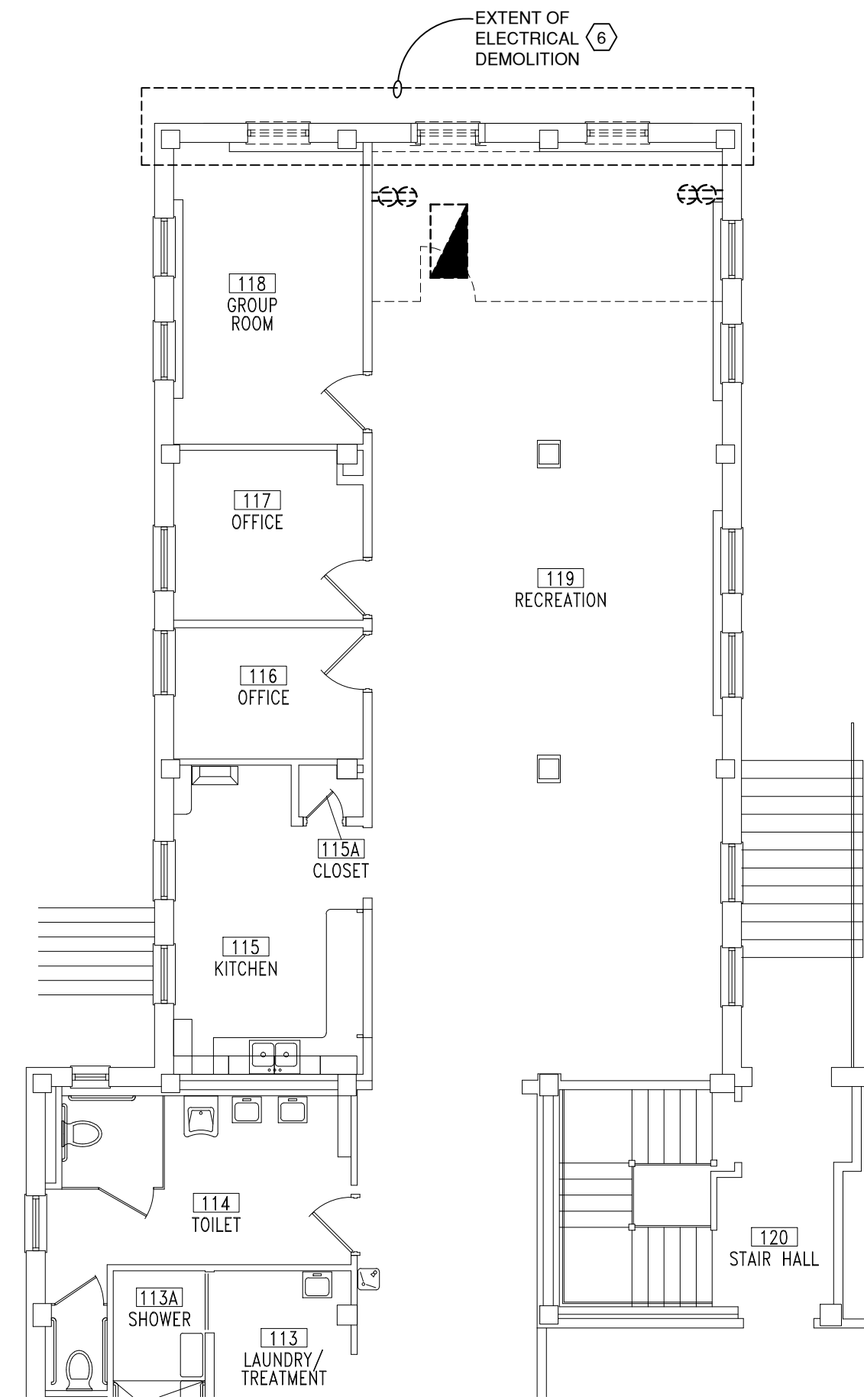
DRAWING TITLE	
ELECTRICAL SITE PLAN	
APPROVED CHIEF OF STAFF	DATE:
APPROVED MEDICAL CENTER DIRECTOR	DATE:

PROJECT TITLE	DATE
BUILDING 28 WEST STAIR TOWER ADDITION	JANUARY 31, 2012
PLOT SCALE	
PROJECT NO.	
656-12-212	
CAD FILE	
BUILDING NO.	28
CHECKED BY	CL
DRAWN	CK
LOCATION	VIA MEDICAL CENTER ST. CLOUD, MN 56303
DRAWING NO.	E2
INVS	13 OF 16

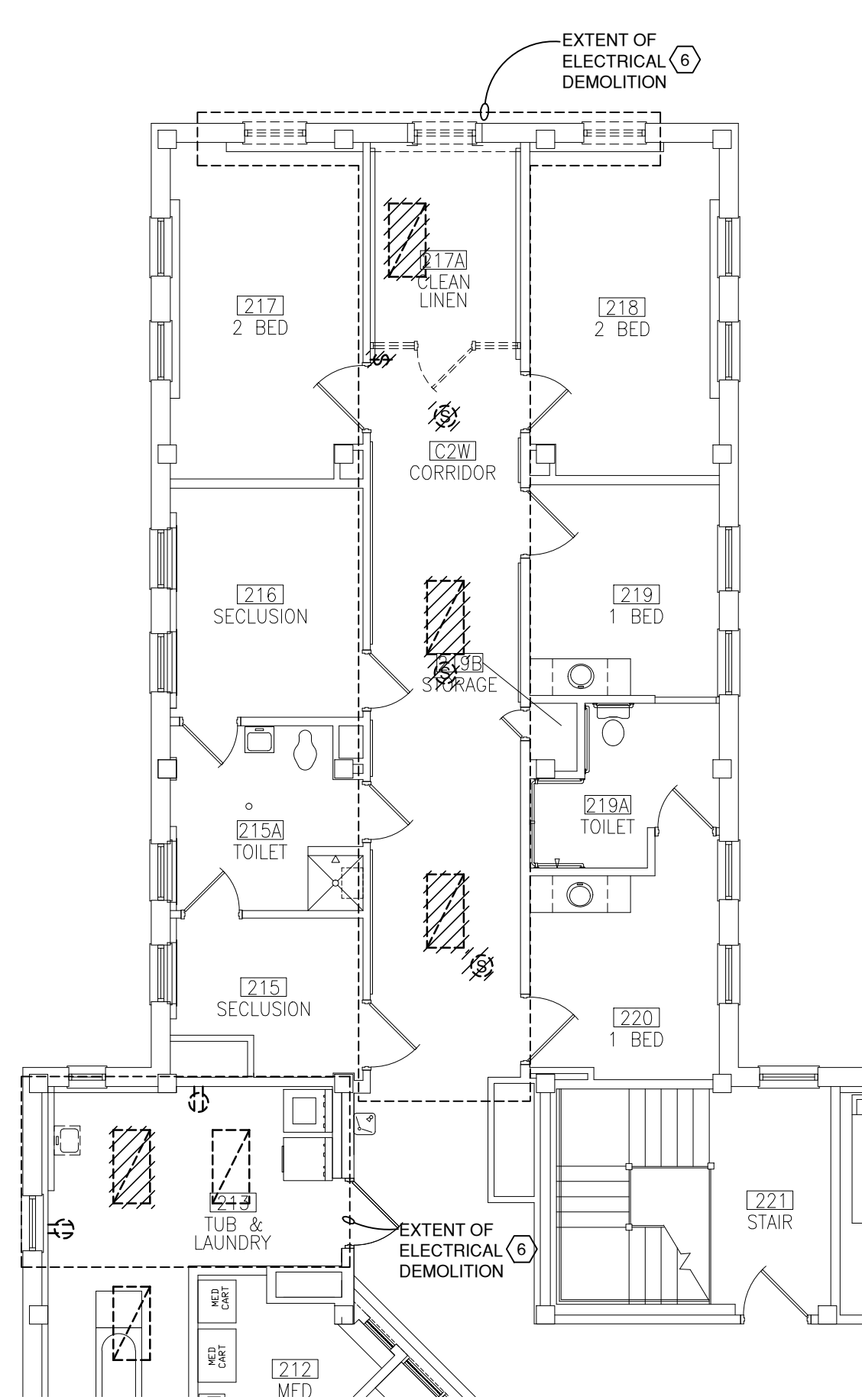




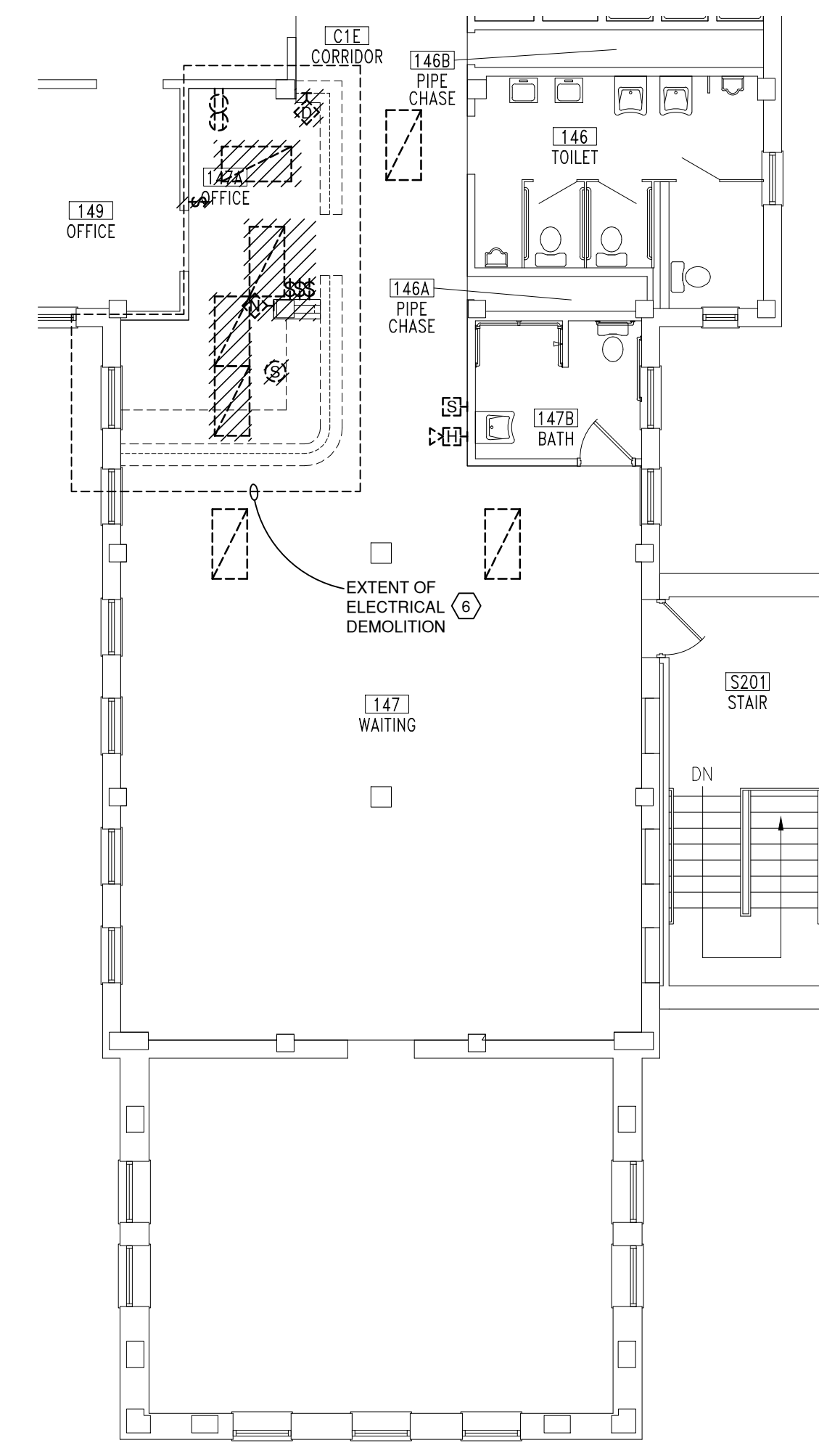
1 BASEMENT DEMOLITION PLAN
NORTHWEST WING



2 FIRST FLOOR DEMOLITION PLAN
NORTHWEST WING



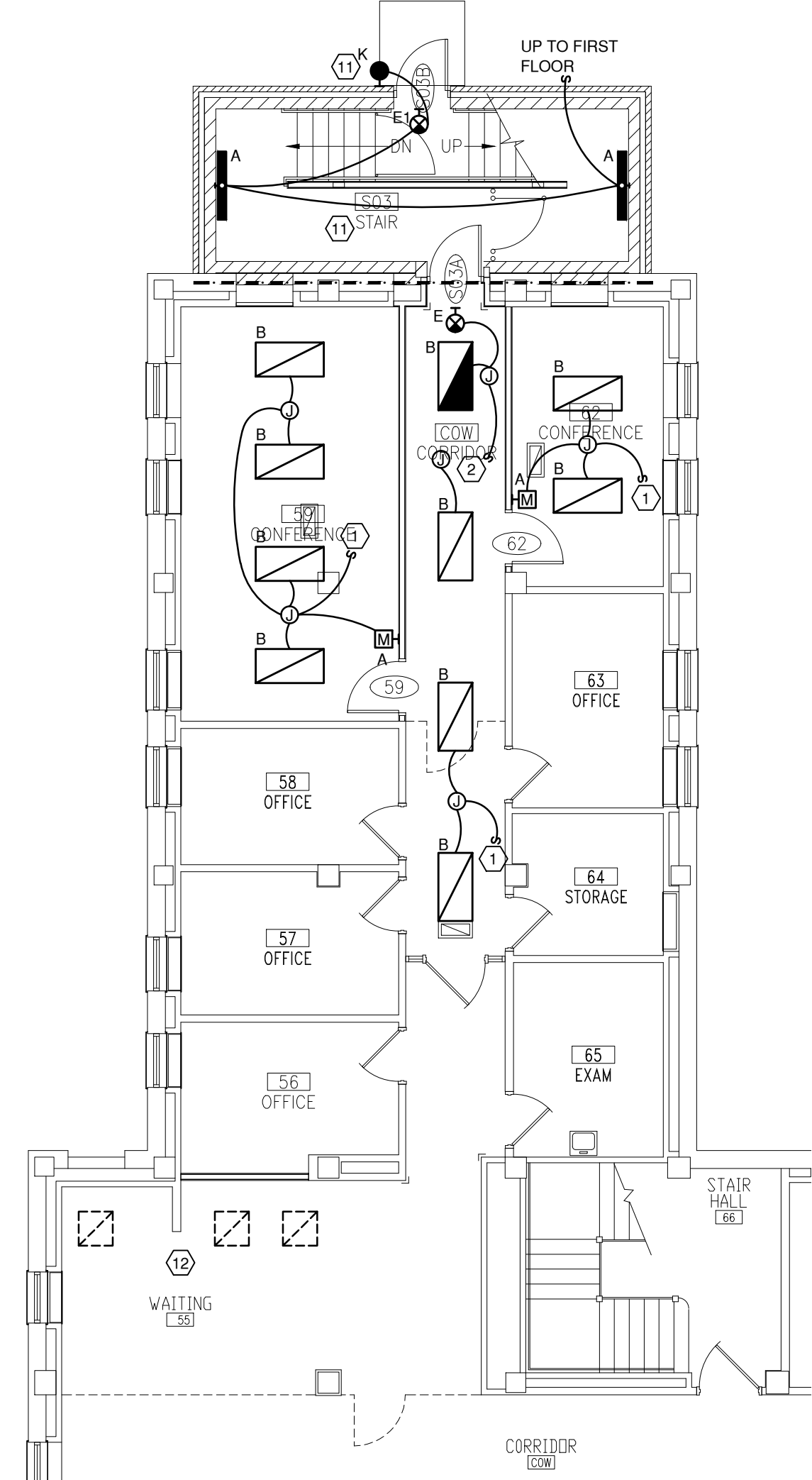
3 SECOND FLOOR DEMOLITION PLAN
NORTHWEST WING



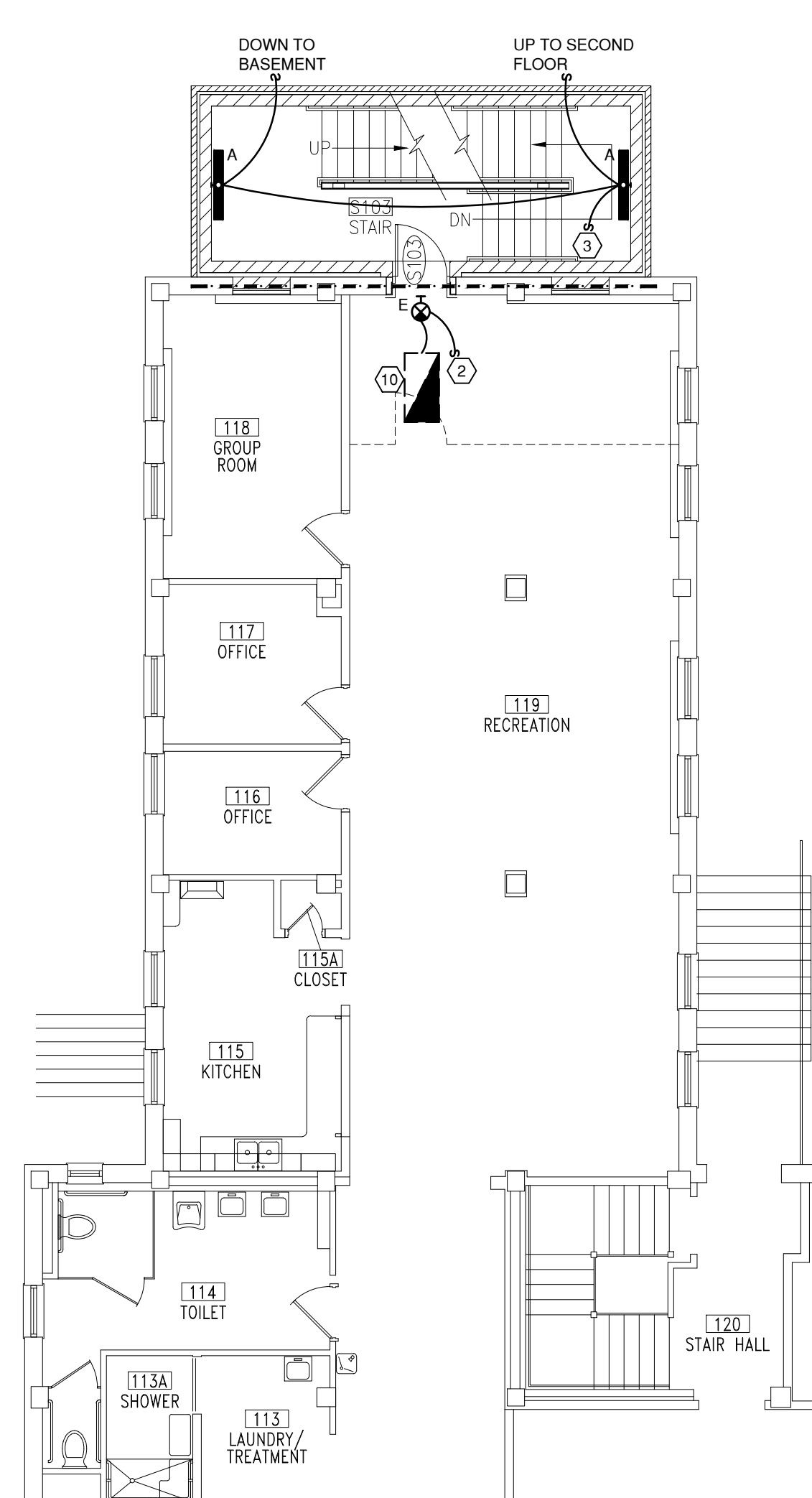
4 FIRST FLOOR DEMOLITION PLAN
(DEDUCT ALTERNATE BID NO.1)
SOUTHEAST WING

- GENERAL NOTES:**
1. PROVIDE SUPPORT FOR ANY EXISTING CABLING, CONDUIT OR OTHER WIRING SYSTEMS THAT MAY BE LAYING OR ATTACHED TO THE CEILING. PROVIDE SUPPORT IN ACCORDANCE WITH SPECIFICATION SECTION 271001 AND THE NEC.
 2. DISCONNECT ALL LIGHT FIXTURES, PA SPEAKERS, EXIT SIGNS, AND FIRE ALARM SYSTEM EQUIPMENT LOCATED IN CEILINGS TO BE REMOVED. EXISTING LIGHTING FIXTURES AND LAMPS SHALL BE RETURNED TO OWNERS STOCK FOR HIS ACCEPTANCE OR REFUSAL. ALL MATERIAL REJECTED SHALL BE PROPERLY DISPOSED OF BY THE DIVISION 26 CONTRACTOR.
 3. EXISTING POWER DEVICES TO BE DEMOLISHED WITHIN THE SCOPE OF THIS PROJECT SUCH AS PANELBOARD RECEPTACLES, FIRE ALARM DEVICES, DATA/TELECOM OUTLETS, WALL SWITCHES, ETC. SHALL BE RETURNED TO OWNERS STOCK FOR HIS ACCEPTANCE OR REFUSAL. ALL MATERIAL REJECTED BY THE OWNER SHALL BE PROPERLY DISPOSED OF BY THE DIVISION 26 CONTRACTOR.
 4. ALL EXISTING CONDUCTORS/CONDUIT TO BE DEMOLISHED WITHIN THE SCOPE OF THIS PROJECT SHALL BE REMOVED BACK TO THEIR SOURCE. THIS INCLUDES POWER, DATA/TELECOM, FIRE ALARM, AND LIGHTING. SOME NEW CONDUCTOR/CONDUIT MAY BE REQUIRED TO CONNECT EXISTING RECEPTACLES DEACTIVATED DURING DEMOLITION.
 5. UNLESS OTHERWISE INDICATED SYSTEMS AND EQUIPMENT SHALL BE KEPT OPERATIONAL DURING CONSTRUCTION. COORDINATE WITH OTHER TRADES, AND CONDUCT THE DEMOLITION AND REMODEL TO AVOID DAMAGING EXISTING SYSTEMS AND INSTALLATIONS TO REMAIN. DAMAGE TO ANY EXISTING SYSTEMS AND INSTALLATIONS SHALL BE REPAIRED AND/OR REPLACED TO ITS ORIGINAL CONDITION/FUNCTION AT NO COST TO THE OWNER.
 6. COORDINATE FIRE ALARM SYSTEM/SECURITY SYSTEM DEMOLITION WITH COTR.
 7. ALL FIRE ALARM CONDUCTORS SHALL BE INSTALLED IN CONDUIT. CONNECT NEW DEVICES TO NEAREST EXISTING FIRE ALARM CIRCUIT. PROVIDE ALL NECESSARY EXPANSION BOARDS, POWER SUPPLIES, ETC. FOR EXISTING FIRE ALARM SYSTEM.
 8. TERMINATE ALL NEW DATA/TELEPHONE CABLES IN EXISTING DATA AND PHONE CLOSETS. PROVIDE NEW PATCH PANEL (DATA) AND 110 BLOCKS (PHONE) IN EXISTING ROOMS AS REQUIRED. SEE SPECIFICATION SECTION 271001. EXISTING DATA TO TERMINATE IN ROOM 68. EXISTING PHONE TO TERMINATE IN ROOM 124A OR ROOM 68. SEE OVERALL PLANS FOR LOCATIONS. COORDINATE WITH COTR.

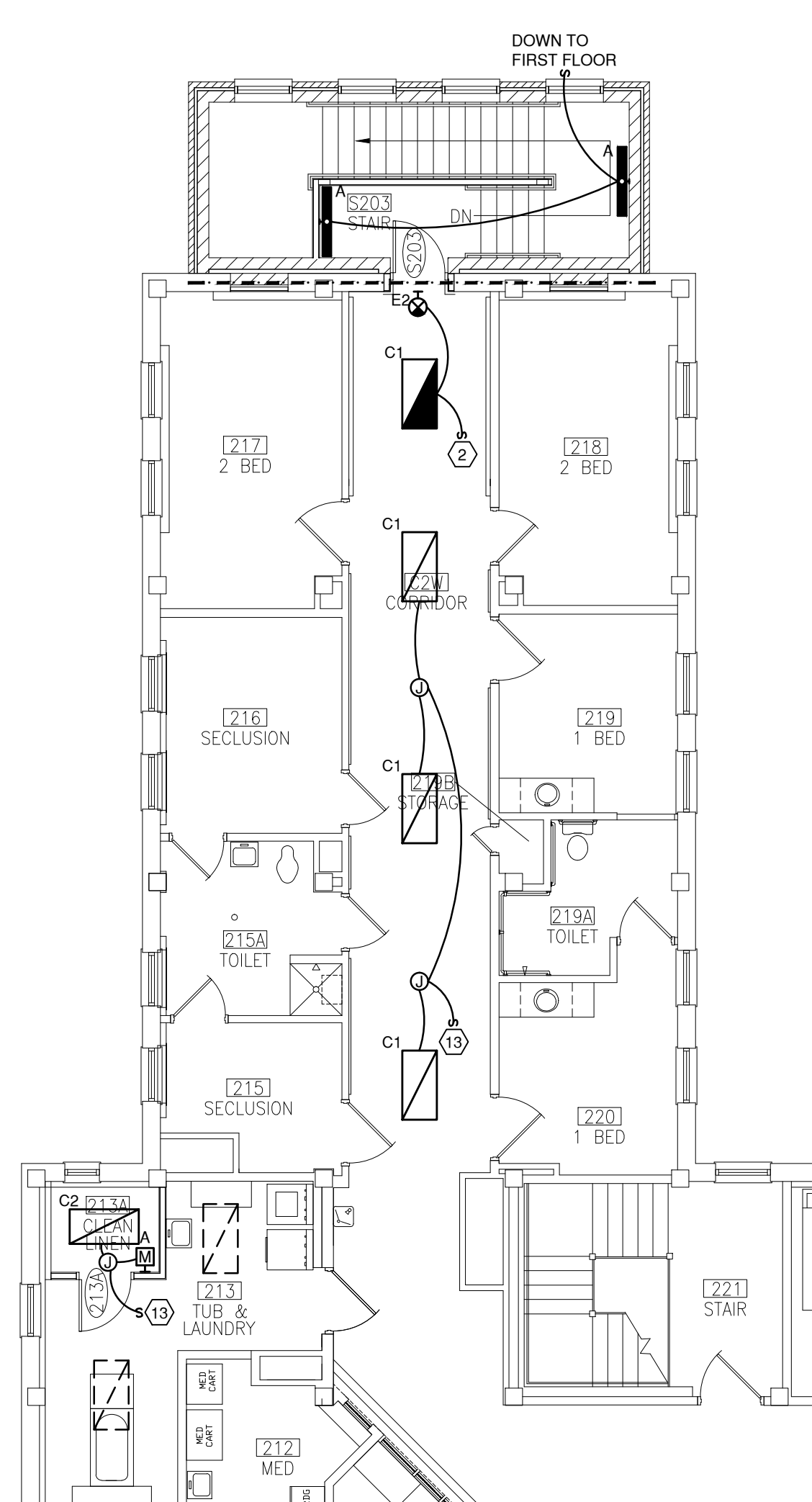
- PLAN NOTES:**
1. CONNECT TO EXISTING POWER LIGHTING CIRCUIT.
 2. CONNECT TO EXISTING LIFE SAFETY CIRCUIT.
 3. HOMERUN TO LIFE SAFETY PANEL (28LS-1). PROVIDE NEW 20A/1P MCCB IN PANEL. MATCH PANEL SPECIFICATIONS.
 4. HOMERUN TO NORMAL POWER PANEL (28LB-3). PROVIDE 20A/1P MCCB IN PANEL. MATCH PANEL SPECIFICATIONS.
 5. HOMERUN TO CRITICAL POWER PANEL (28EC-1). PROVIDE 20A/1P MCCB IN PANEL. MATCH PANEL SPECIFICATIONS.
 6. NOT ALL ITEMS TO BE DEMOLISHED ARE SHOWN. VERIFY EXTENT OF DEMOLITION ON SITE. SEE GENERAL NOTE #2 AND #3.
 7. PROVIDE 120V CONNECTION TO CABINET UNIT HEATER. COORDINATE PHONE TO TERMINATE WITH MECHANICAL.
 8. CONNECT TO NEAREST EXISTING PAGING CIRCUIT.
 9. HOMERUN TO NORMAL POWER PANEL 28L2-1. PROVIDE NEW 20A/1P MCCB IN PANEL. MATCH PANEL SPECIFICATIONS.
 10. CONNECT EXISTING FIXTURE TO EXISTING LIFE SAFETY CIRCUIT.
 11. SEE ARCHITECTURAL ELEVATIONS AND STAIR SECTIONS FOR LOCATIONS OF TYPE 'K' AND TYPE 'A' LIGHT FIXTURES.
 12. EXISTING LIGHT FIXTURE REMAIN.
 13. RECONNECT TO EXISTING CIRCUITS.
 14. PROVIDE (3) NEW SWITCHES TO EXISTING LIGHTING AS SHOWN. EXTEND EXISTING CIRCUITS TO NEW SWITCH LOCATION.



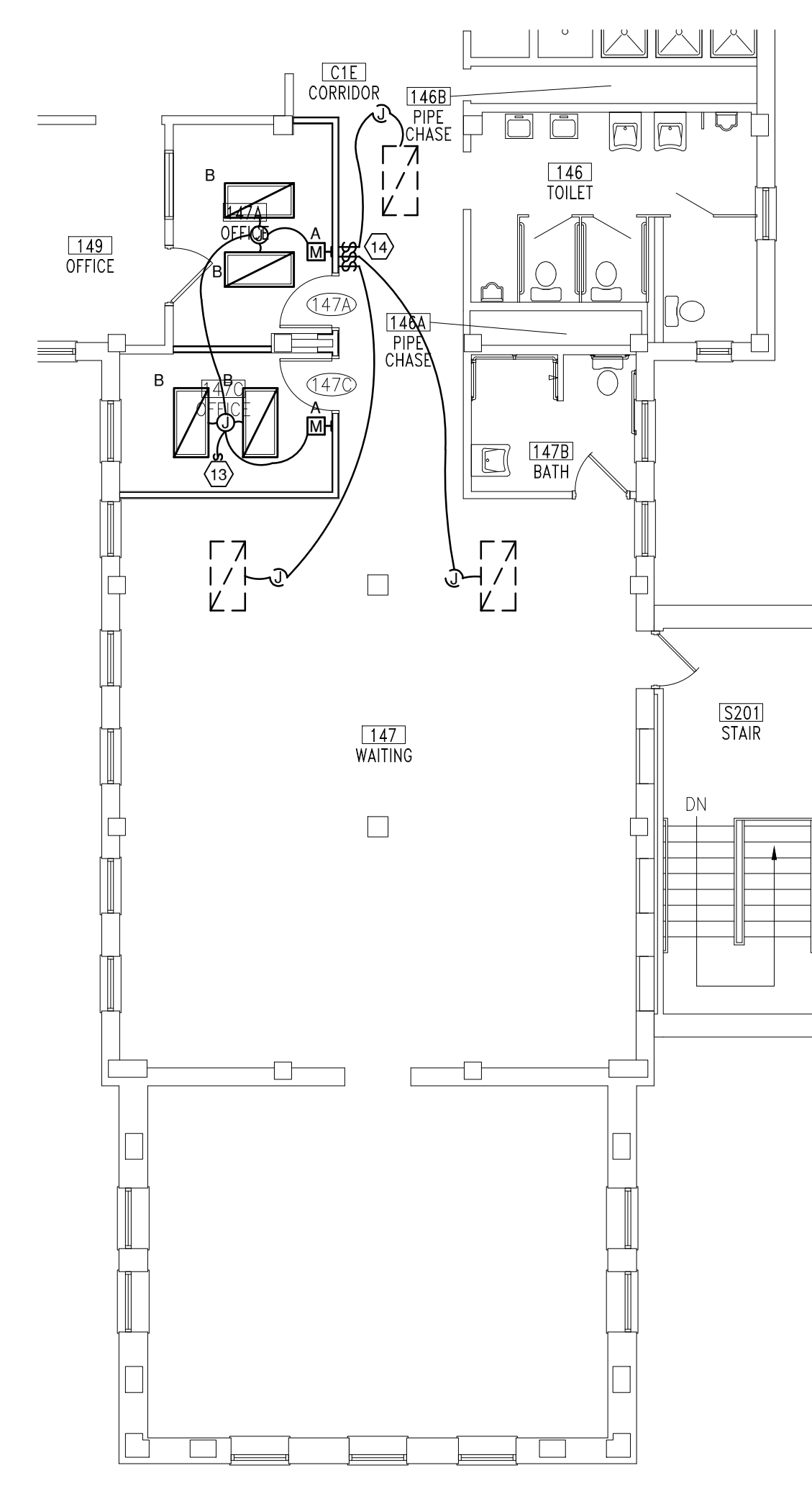
5 BASEMENT LIGHTING PLAN
NORTHWEST WING



6 FIRST FLOOR LIGHTING PLAN
NORTHWEST WING



7 SECOND FLOOR LIGHTING PLAN
NORTHWEST WING



8 FIRST FLOOR LIGHTING PLAN
(DEDUCT ALTERNATE BID NO.1)
SOUTHEAST WING

IMAGE GROUP
IMAGE GROUP INC., Architecture & Interiors
403 CENTER AVENUE, SUITE 300
MOOREHEAD, MN 56560

SOLIEN & LARSON, PC
CONSULTING STRUCTURAL ENGINEERS
3330 FIECHTNER DRIVE, SUITE 206
FARGO, NORTH DAKOTA 58103
TELEPHONE (701) 586-6800 FAX (701) 586-6844

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BUILDING SYSTEMS CONSULTANTS
Fargo, ND • Grand Forks, ND • Minneapolis, MN
701.280.9566 • 701.775.3594 • 612.341.8728

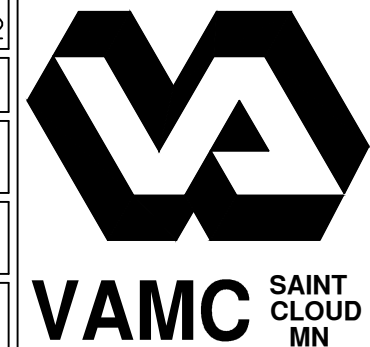
Ulteig engineers
Bismarck • Detroit Lakes • Fargo • Minneapolis • Sioux Falls
3350 38th Avenue South
Fargo, North Dakota 58104

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
Print Name: Brian K. Stich
Signed: *B.K. Stich*
Date: 1/31/2012 License Number: 25401

APPROVED SERVICE LINE DIRECTOR	DATE:	APPROVED INFECTION CONTROL NURSE	DATE:
APPROVED SERVICE LINE DIRECTOR	DATE:	APPROVED PATIENT SAFETY	DATE:
APPROVED PROJECTS SECTION MANAGER	DATE:	APPROVED CHIEF OF POLICE	DATE:
APPROVED DIRECTOR PMS	DATE:	APPROVED SAFETY MANAGER	DATE:

DRAWING TITLE	PROJECT TITLE	DATE
ELECTRICAL DEMOLITION, LIGHTING AND POWER / SYSTEMS PLANS	BUILDING 28 WEST STAIR TOWER ADDITION	JANUARY 31, 2012
DRAWING NO.	CL	CK
28		

PROJECT NO.	PROJECT NO.	PROJECT NO.
656-12-212	656-12-212	656-12-212
CAD FILE	CAD FILE	CAD FILE
E3	E3	E3

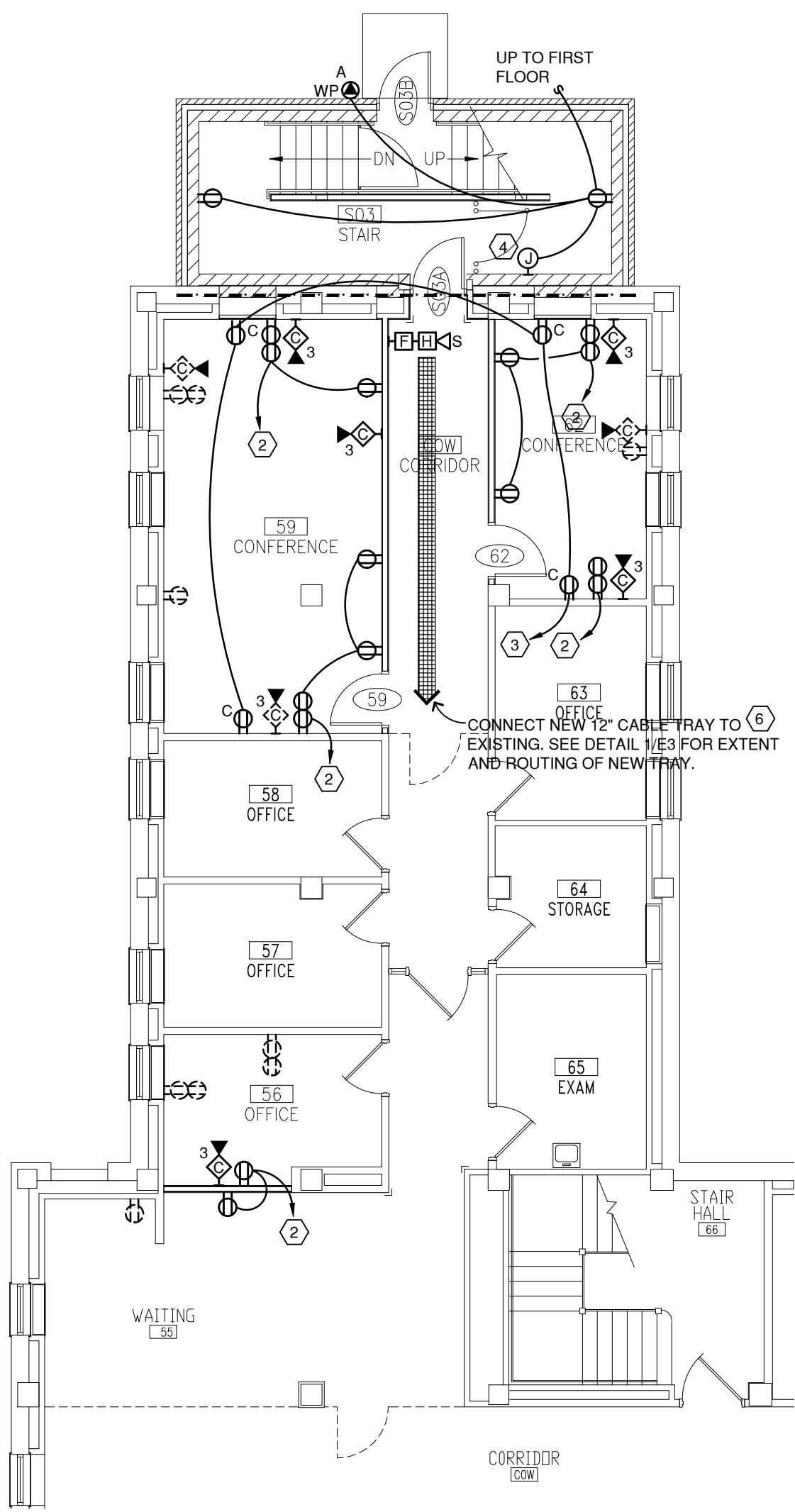


GENERAL NOTES:

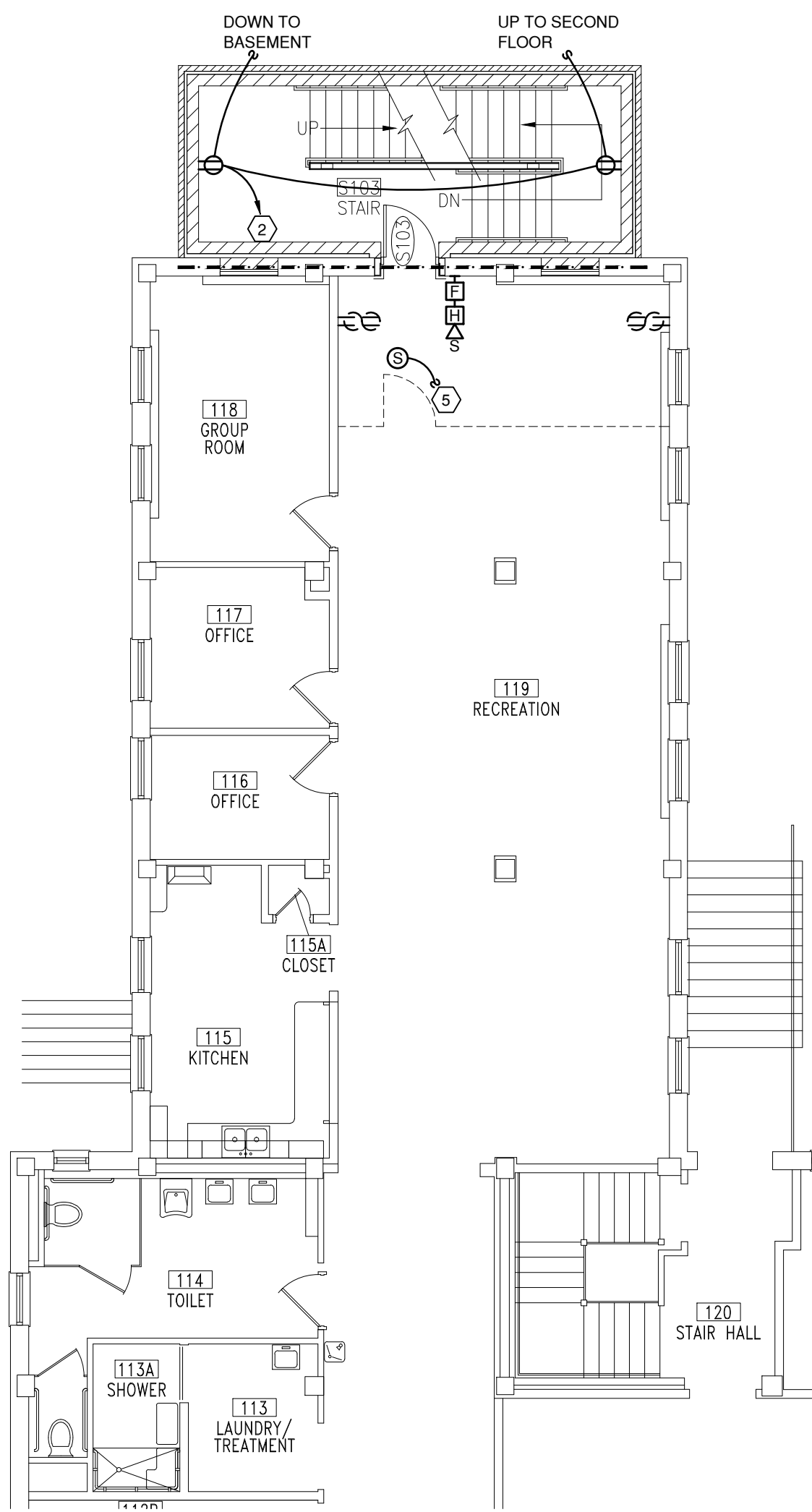
1. PROVIDE SUPPORT FOR ANY EXISTING CABLEING, CONDUIT OR OTHER WIRING SYSTEMS THAT MAY BE LAYING OR ATTACHED TO THE CEILING. PROVIDE SUPPORT IN ACCORDANCE WITH SPECIFICATION SECTION 271001 AND THE NEC.
2. DISCONNECT ALL LIGHT FIXTURES, PA SPEAKERS, EXIT SIGNS, AND FIRE ALARM SYSTEM EQUIPMENT LOCATED IN CEILINGS TO BE REMOVED. EXISTING LIGHTING FIXTURES AND LAMPS SHALL BE RETURNED TO OWNERS STOCK FOR HIS ACCEPTANCE OR REFUSAL. ALL MATERIAL REJECTED SHALL BE PROPERLY DISPOSED OF BY THE DIVISION 26 CONTRACTOR.
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5. UNLESS OTHERWISE INDICATED SYSTEMS AND EQUIPMENT SHALL BE KEPT OPERATIONAL DURING CONSTRUCTION. COORDINATE WITH OTHER TRADES, AND CONDUCT THE DEMOLITION AND REMODEL TO AVOID DAMAGING EXISTING SYSTEMS AND INSTALLATIONS TO REMAIN. DAMAGE TO ANY EXISTING SYSTEMS AND INSTALLATIONS SHALL BE REPAIRED AND/OR REPLACED TO ITS ORIGINAL CONDITION/FUNCTION AT NO COST TO THE OWNER.
6. COORDINATE FIRE ALARM SYSTEM/SECURITY SYSTEM DEMOLITION WITH COTR.
7. ALL FIRE ALARM CONDUCTORS SHALL BE INSTALLED IN CONDUIT. CONNECT NEW DEVICES TO NEAREST EXISTING FIRE ALARM CIRCUIT. PROVIDE ALL NECESSARY EXPANSION BOARDS, POWER SUPPLIES, ETC, FOR EXISTING FIRE ALARM SYSTEM.
8. TERMINATE ALL NEW DATA/TELEPHONE CABLES IN EXISTING DATA AND PHONE CLOSETS. PROVIDE NEW PATCH PANEL (DATA) AND 110 BLOCKS (PHONE) IN EXISTING ROOMS AS REQUIRED. SEE SPECIFICATION SECTION 271001. EXISTING DATA TO TERMINATE IN ROOM 68. EXISTING PHONE TO TERMINATE IN ROOM 124A OR ROOM 68. SEE OVERALL PLANS FOR LOCATIONS. COORDINATE WITH COTR.

PLAN NOTES:

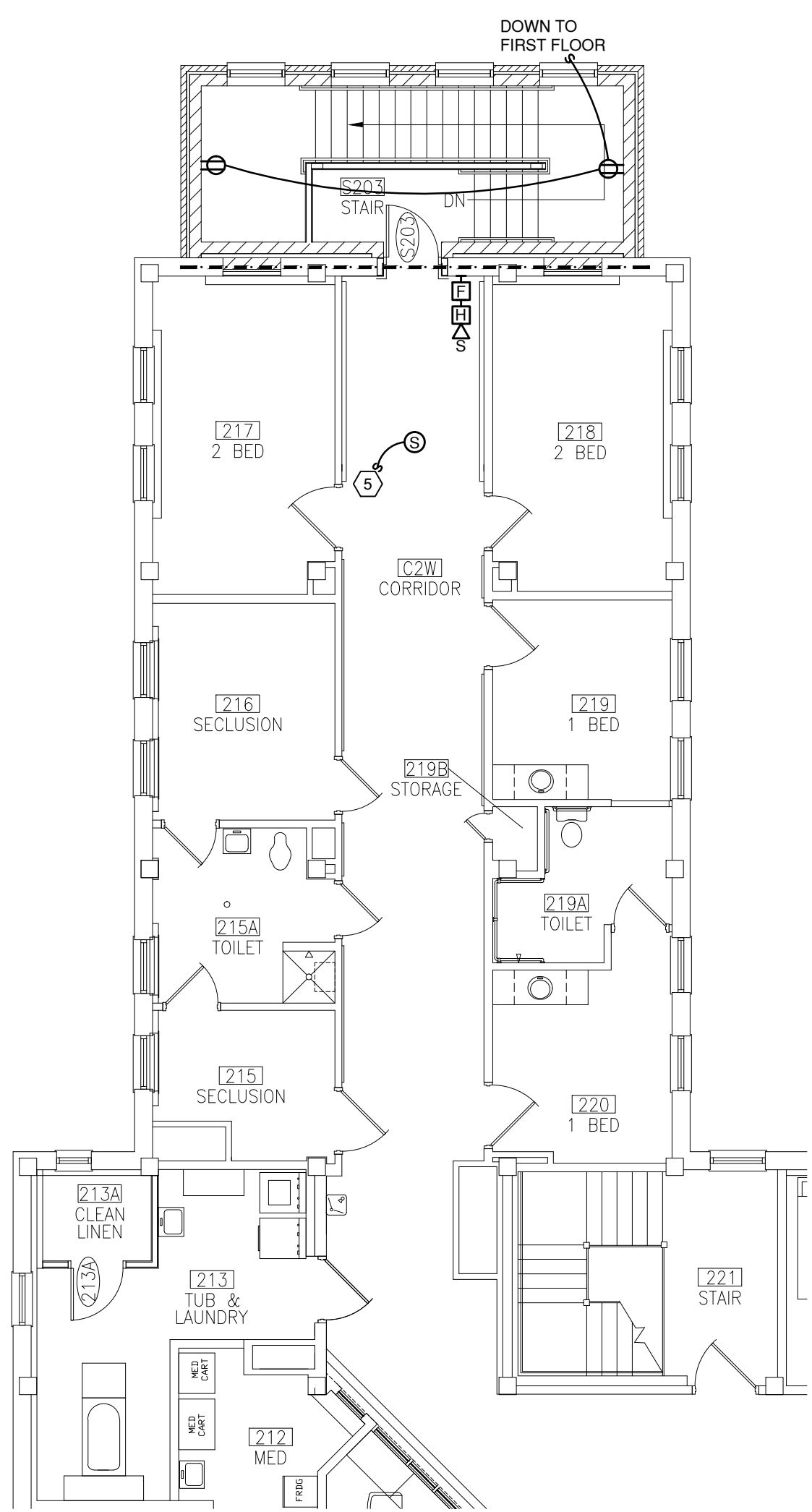
1. CONNECT TO EXISTING POWER LIGHTING CIRCUIT.
2. HOMERUN TO NORMAL POWER PANEL (28LB-3). PROVIDE 20A/1P MCCB IN PANEL. MATCH PANEL SPECIFICATIONS.
3. HOMERUN TO CRITICAL POWER PANEL (28EC-1). PROVIDE 20A/1P MCCB IN PANEL. MATCH PANEL SPECIFICATIONS.
4. PROVIDE 120V CONNECTION TO CABINET UNIT HEATER. COORDINATE LOCATION WITH MECHANICAL.
5. CONNECT TO NEAREST EXISTING PAGING CIRCUIT.
6. RELOCATE EXISTING ABOVE CEILING CABLES TO NEW CABLE TRAY. CURRENTLY SUSPENDED FROM CEILING MOUNTED SUPPORT LOOPS.



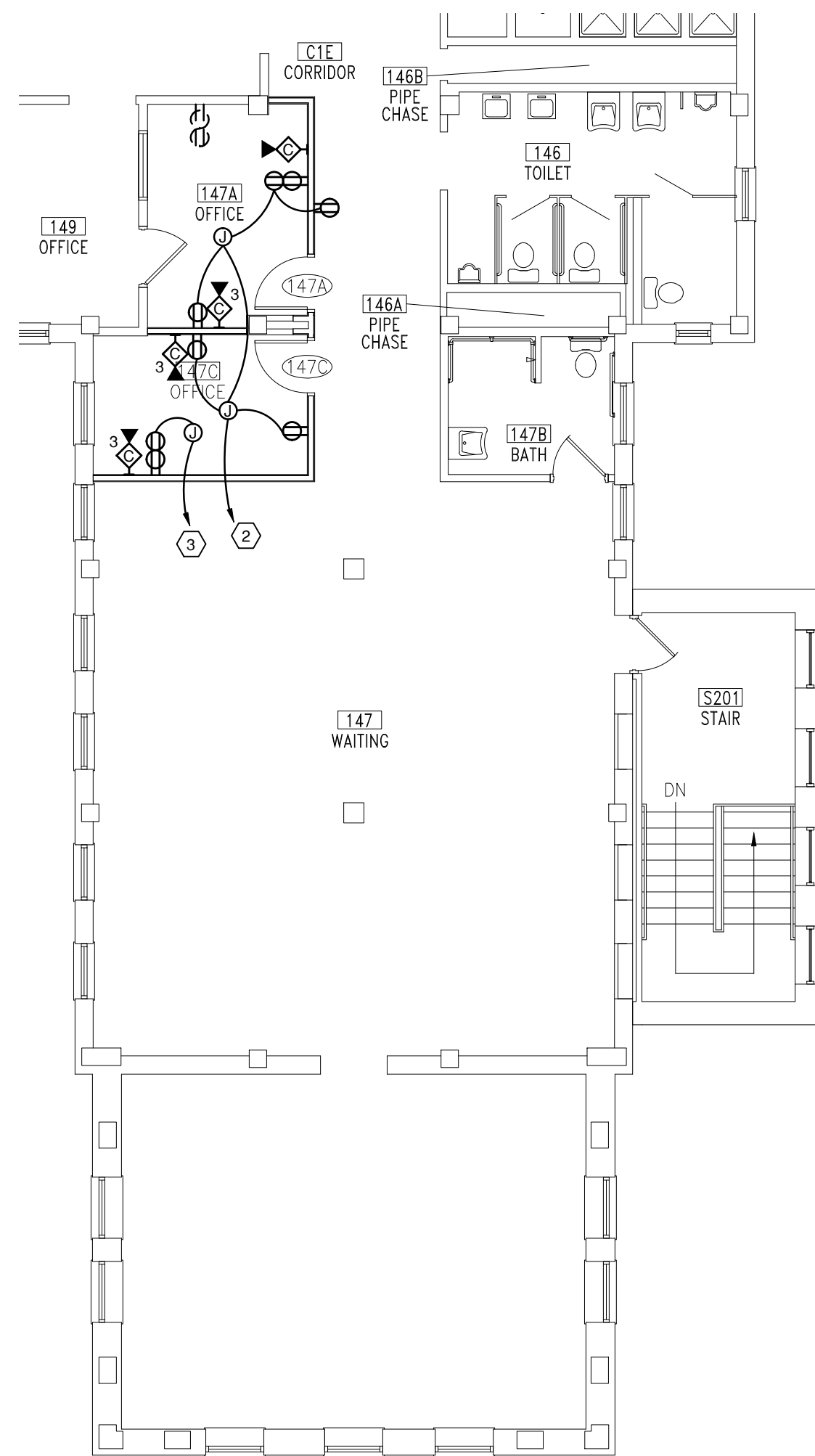
1 BASEMENT POWER / SYSTEMS PLAN
NORTHWEST WING



2 FIRST FLOOR POWER / SYSTEMS PLAN
NORTHWEST WING



3 SECOND FLOOR POWER / SYSTEMS PLAN
NORTHWEST WING



4 FIRST FLOOR POWER / SYSTEMS PLAN
SOUTHEAST WING
(DEDUCT ALTERNATE BID NO.1)

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

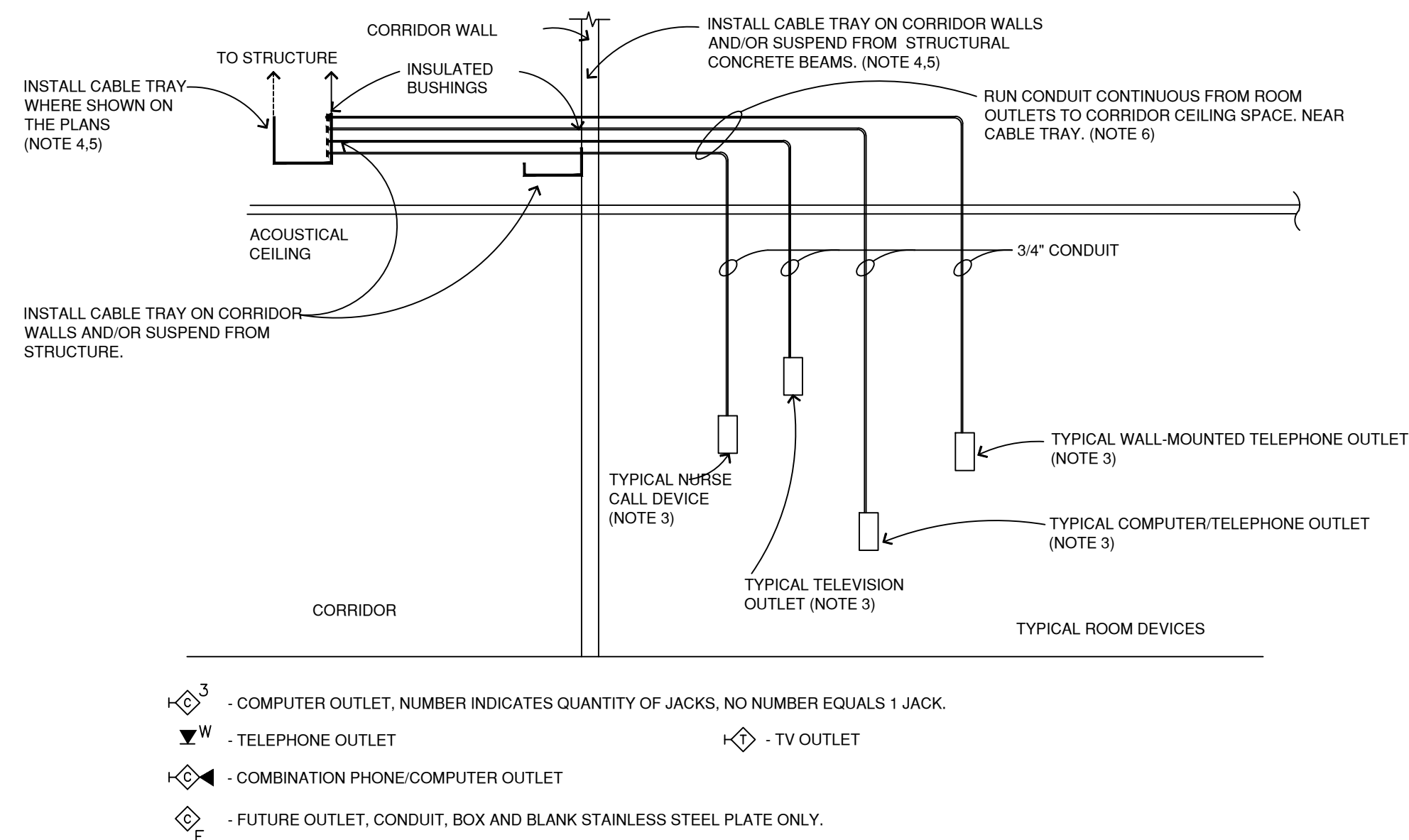
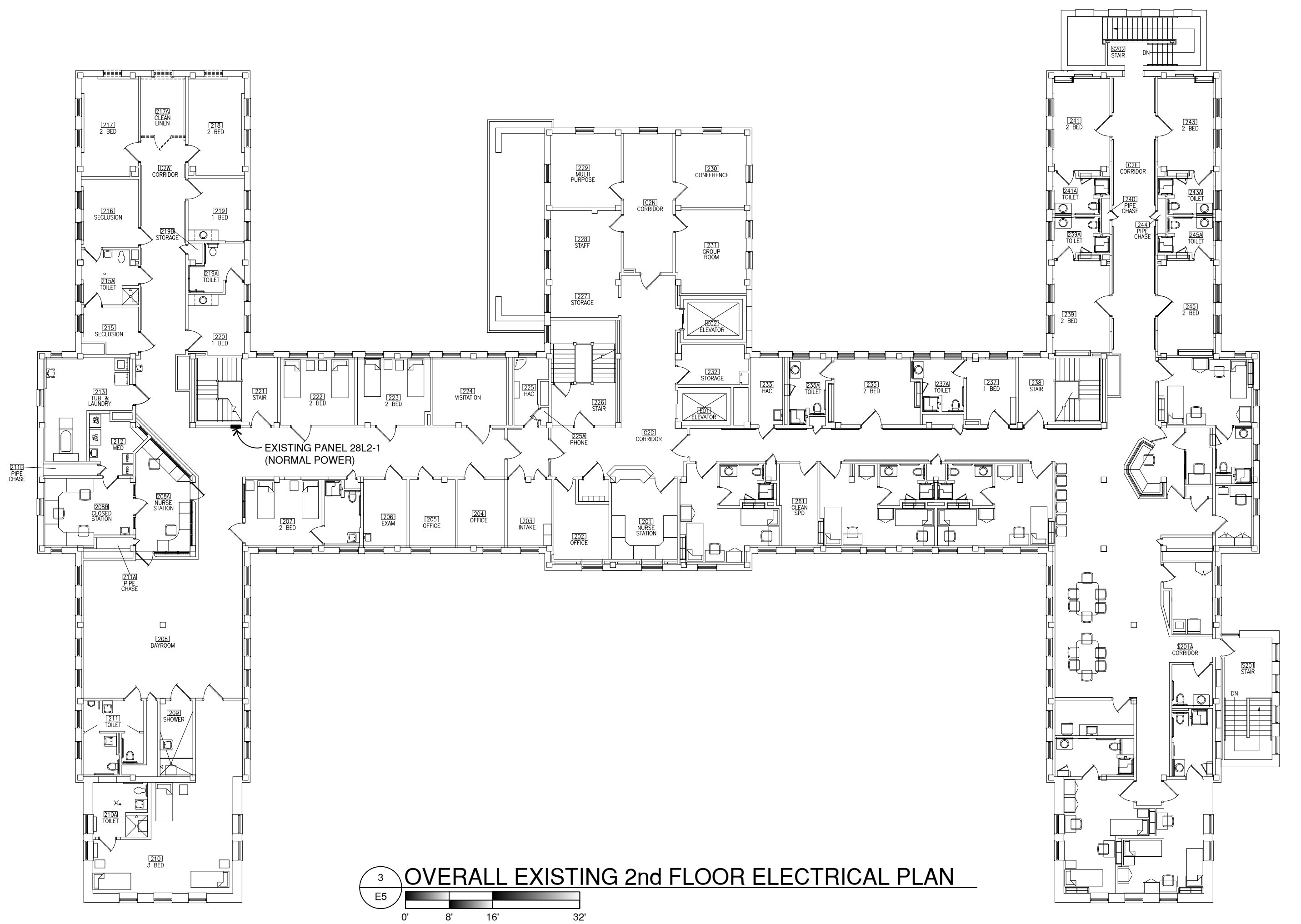
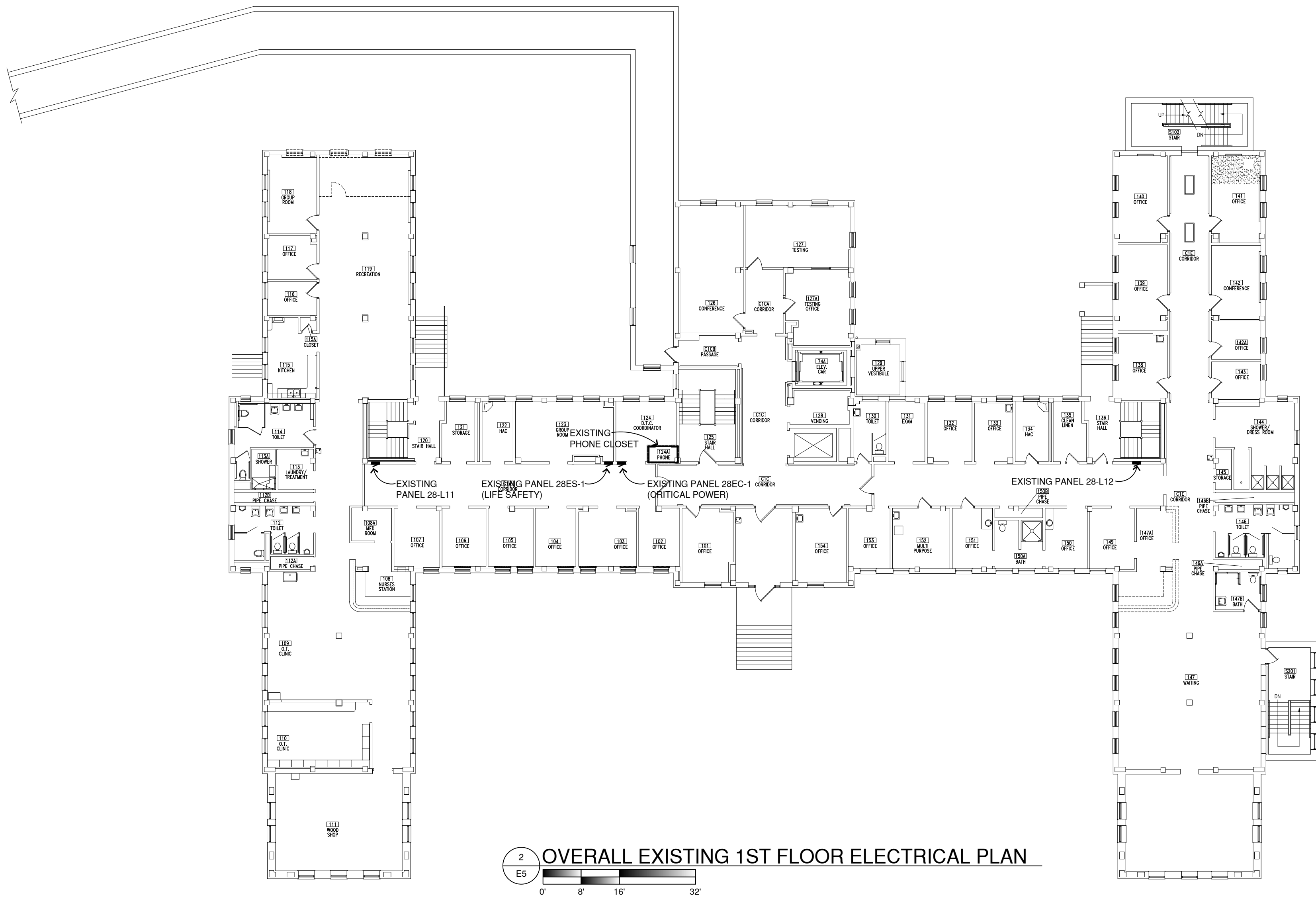
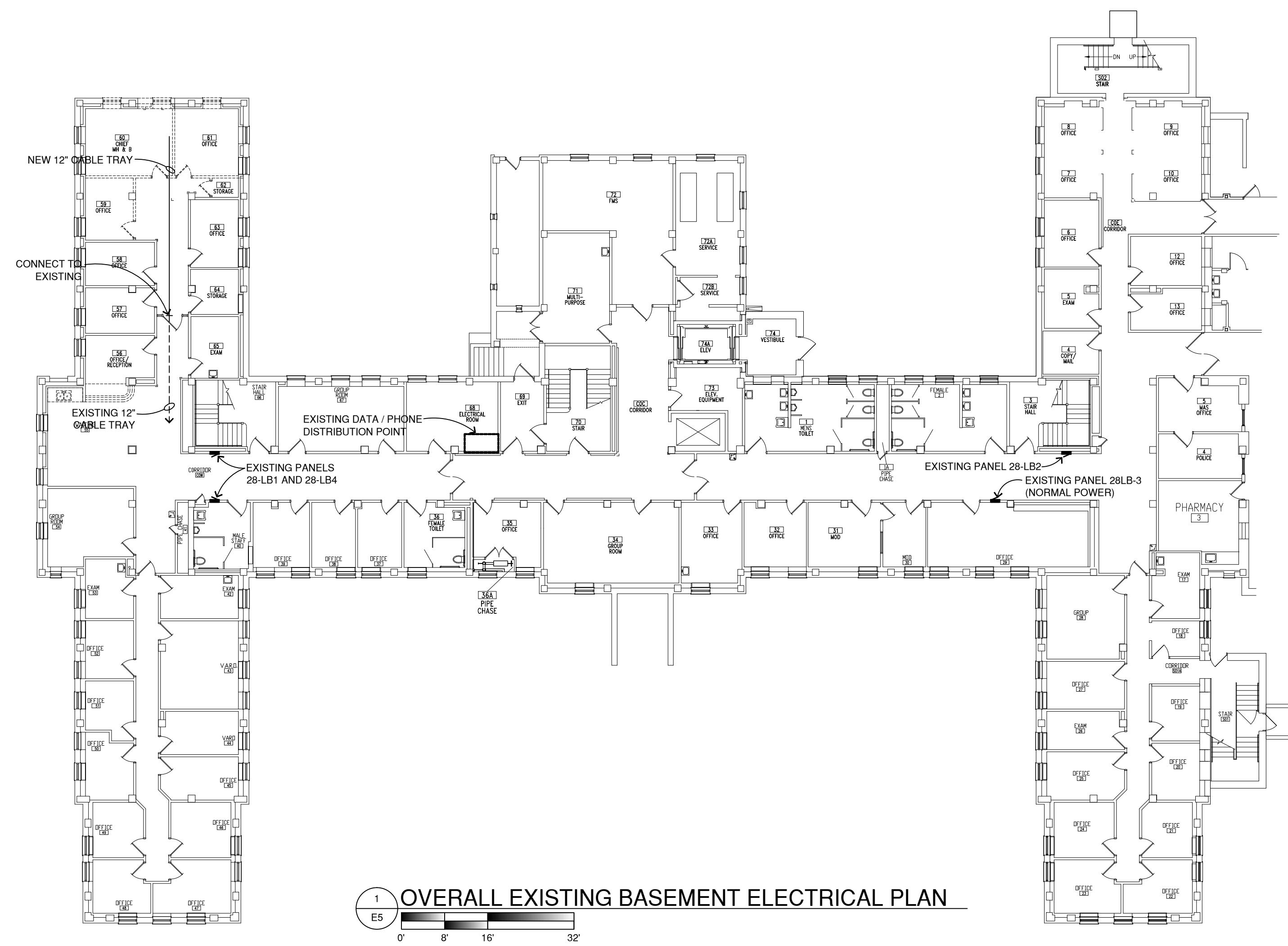
Print Name: Brian K. Stich

Signed: *B.K. Stich*

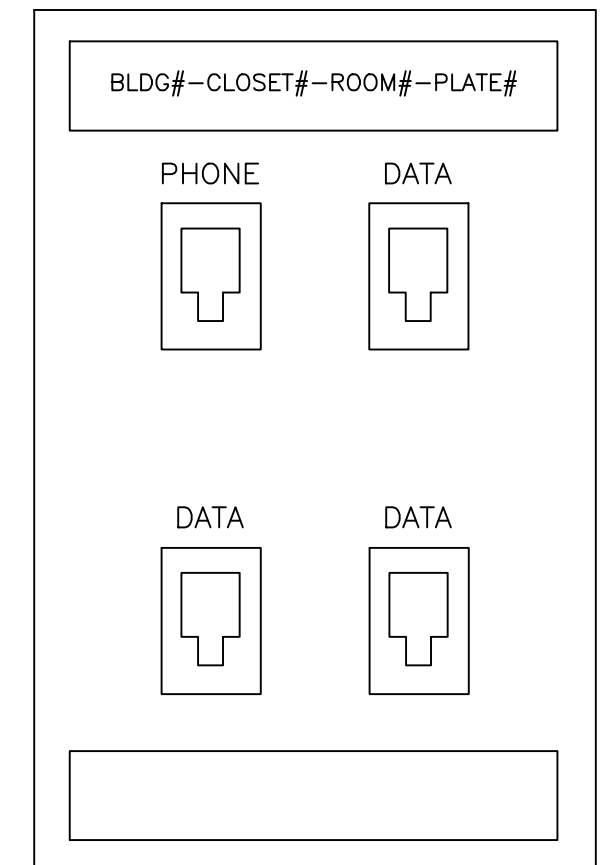
Date: 1/31/2012 License Number: 25401

APPROVED SERVICE LINE DIRECTOR	DATE:	APPROVED INFECTION CONTROL NURSE	DATE:
APPROVED SERVICE LINE DIRECTOR	DATE:	APPROVED PATIENT SAFETY	DATE:
APPROVED PROJECTS SECTION MANAGER	DATE:	APPROVED CHIEF OF POLICE	DATE:
APPROVED DIRECTOR PHS	DATE:	APPROVED SAFETY MANAGER	DATE:

DRAWING TITLE	
ELECTRICAL POWER / SYSTEMS PLANS	
APPROVED CHIEF OF STAFF	DATE:
<hr/>	
APPROVED MEDICAL CENTER DIRECTOR	DATE:



- NOTES:
1. INSTALL CABLING, TERMINATIONS, JACKS, DEVICES, AND PLATES.
 2. INSTALL BLANK STAINLESS STEEL PLATES ON ALL OUTLETS NOTED AS FUTURE.
 3. UTILIZE 2 1/8" DEEP, 4 INCH SQUARE BOXES WITH A SINGLE GANG MUD RING, REFERENCE SPECIFICATION SECTION 260533.
 4. THE CABLE TRAY IS TO BE INSTALLED AFTER DUCTWORK AND PIPING INSTALLATION BY DIVISION 21/22/23 IS COMPLETE. COORDINATE MOUNTING LOCATIONS OF CABLE TRAY WITH DIVISION 21/22/23.
 5. CABLE TRAY WILL BE USED FOR DATA WIRING, TELEPHONE WIRING, AND TELEVISION WIRING. ALL FIRE ALARM WIRING TO BE IN CONDUIT.
 6. STUB CONDUIT FROM OUTLET CONTINUOUS TO CABLE TRAY; ROUTE CONDUIT ACROSS CORRIDOR WHERE CABLE TRAY IS ON THE OPPOSITE SIDE OR IN THE CENTER. WHERE CABLE TRAY IS INSTALLED IN OPEN OFFICE AREA, ROUTE CONDUIT DIRECTLY TO CABLE TRAY.
 7. REFERENCE SPECIFICATION SECTION 271001 FOR CABLING REQUIREMENTS. PROVIDE SLACK CABLE SUFFICIENT TO REACH FURTHEST OUTLET IN ROOM.



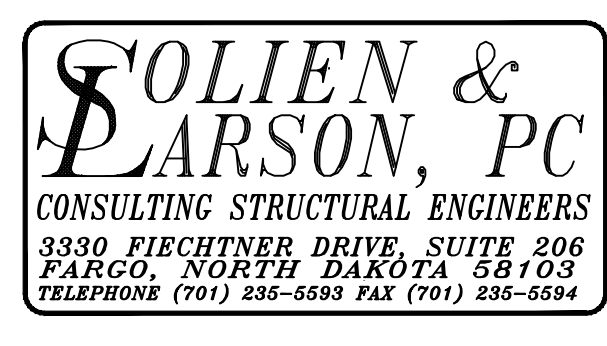
- NOTES:
1. (3) = (3) DATA, (1) PHONE JACK.
 2. SEE SECTION 271001 FOR PLATE AND JACK REQUIREMENTS.
 3. DATA JACKS TO BE IVORY COLOR, PHONE JACKS TO BE BLACK COLOR.
 4. PLATES ARE LABELED AS SHOWN, COLOR ALMOND NUMBER PLATES CLOCKWISE FROM THE DOOR.
 5. LABEL ALL VOICE AND DATA CABLES AT BOTH ENDS WITH "BLDG# - CLOSET# - ROOM# - PLATE# - JACK#".
 6. ALL (4) PMS JACKS PROVIDED WITH CATEGORY 5e CABLES.

4
ES
SCALE: NONE

TYPICAL COMMUNICATIONS OUTLET

5
ES
SCALE: NONE

TYPICAL ROOM CONDUIT DIAGRAM



I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Print Name: Brian K. Stich

Signed: *B.K. Stich*

Date: 1/31/2012 License Number: 25401

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APPROVED DIRECTOR PMS	DATE:	APPROVED SAFETY MANAGER	DATE:

BRANING TITLE	PROJECT TITLE	DATE
ELECTRICAL PLANS AND DETAILS	BUILDING 28 WEST STAIR TOWER ADDITION	JANUARY 31, 2012
PROJECT NO.	DESIGNED BY	DRAWN
656-12-212	28	CL CK
CAD FILE	APPROVED CHIEF OF STAFF	DATE:
APPROVED MEDICAL CENTER DIRECTOR	DATE:	LOCATION
DATE:	DATE:	VIA MEDICAL CENTER ST. CLOUD, MN 56303
DATE:	DATE:	DATE:

